



PETEK-KiM
— OZ IRON —

*For Durable and
Aesthetic Constructions*



PRODUCT CATALOUGE



PETEK KİMYA

OUR MISSION

Customer focus is one of the core principles of our company. With a strong sense of corporate responsibility, we aim to understand customer needs and add value to everyone we work with by offering innovative, high-performance, and high-quality products produced using modern technologies.

INNOVATION AND QUALITY

Together with our team of experts, we continuously renew and improve our products through ongoing research and development efforts. We manufacture using modern technologies and subject our products to rigorous quality control processes. As a result, we offer our customers durable, long-lasting, and high-performance construction materials. Our quality is certified with the ISO 9001:2015 Quality Management System.

OUR VISION

Our goal is to become a Global Leader in the construction industry by combining the quality standards of our products with international R&D projects. Within our country, we will continue to enhance the reliability of our brand in the industry each day by expanding the scope of our customer-oriented services.

SUSTAINABILITY AND ENVIRONMENTAL AWARENESS

In our production processes, we not only focus on manufacturing quality products but also embrace an environmentally conscious approach. Our environmental responsibility is certified with the ISO 14001:2015 Environmental Management System. We place great importance on waste management and continuously engage in activities aimed at developing solutions to minimize environmental impact.

PETEK KİMYA

Discover the Power of Innovative Chemicals

AESTHETIC SPACES



DURABLE STRUCTURES




PREMIUM INGREDIENTS



INNOVATIVE SOLUTIONS



SEAMLESS SURFACES



Contents

Waterproofing Applications	6
Adhesives	12
Grouts	26
Technical Applications	36
Floor Applications	46
Heat Insulation Applications	56
Heat Insulation Accessories	70



PETEK-KİM
— OZ IRON —

For Durable and Aesthetic Constructions

Waterproofing Applications



Waterproofing Applications

PETEK AQUA STOP 5



DESCRIPTION: Polymer emulsion-modified, cement-acrylic-based, two-component, CM class, semi-elastic waterproofing mortar.

APPLICATION AREAS: Used in all types of buildings, particularly in wet areas such as balconies, bathrooms, toilets, and kitchens, as a waterproofing material under ceramics.

ADVANTAGES: Enhanced, easy, and convenient application features. Quick transition to ceramic application. Safe use in bathrooms, kitchens, and balconies.

SURFACE PREPARATION: The surface must be clean, damp, smooth, and sound. Significant defects and holes on the surface should be repaired. Highly porous surfaces, such as raw concrete and cement-based plaster, should be wetted with clean water and left to remain damp until the water layer disappears.

APPLICATION INSTRUCTIONS: For each coat, slowly add 20 kg of the powder component to 10 kg of the liquid component and mix with a low-speed mixer for about 2-3 minutes until a homogeneous consistency is achieved. Allow the mixture to rest for 2 minutes, then remix it before application. Apply **Petek Aqua Stop 10** to the entire surface in at least 2 coats using a brush or trowel. Each coat should be applied perpendicular to the previous one. Allow a minimum of 5 hours between coats.

WARNINGS AND RECOMMENDATIONS: Not suitable for application on wood, particle board, plywood, or metal surfaces. Not suitable for negative water pressure. Do not leave exposed in direct sunlight. Only use the product's own liquid component for mixing; do not add water. No foreign materials should be added. Surfaces treated with **Petek Aqua Stop 10** must be protected from direct sunlight, air currents, and frost for 3 days. If necessary, keep the surface damp. For surfaces exposed to mechanical impact, apply a protective layer such as ceramic over **Petek Aqua Stop 10**. Do not apply ceramic or similar coverings until at least 1 day after applying **Petek Aqua Stop 10**. Clean all tools with water before they dry after use.

PACKAGING AND SHELF LIFE: In its original, unopened packaging, the product has a shelf life of 1 year from the production date when stored in dry and moisture-free conditions. The liquid component should be protected from frost. The packaging should be tightly closed if not in use.

Technical Specifications:

Structural Component:

Two-component

Color:

Gray powder and white liquid

Application Thickness

Min. 2 mm, max. 4 mm

Curing Time:

Min. 5 minutes

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Information:

Pot Life:

Max. 2 hours

Overcoating Time:

Min. 3 days

Curing Time:

Min. 7 days

Consumption:

1.8-2.0 kg/m² per 1 mm application (excluding spillage and losses)

Number of Coats:

2 coats

Waiting Time Between Coats:

Minimum 6 hours

Complies with TS 13780 Standards.
Public Works Pos. No: 15.270.1005
Public Works Pos. No: 15.270.1005
Adhesion strength: $\geq 1.0 \text{ N/mm}^2$
Crack opening: $\geq 0.75 \text{ mm}$
Waterproofing Time: $\geq 1.5 \text{ bar (positive)}$
Initial: $\geq 0.5 \text{ N/mm}^2$
After Heat Aging: $\geq 0.5 \text{ N/mm}^2$
After Water Immersion: $\geq 0.5 \text{ N/mm}^2$
After Freeze-Thaw Cycle: $\geq 0.5 \text{ N/mm}^2$
Tensile Adhesion Strength after Contact with Calcareous Water: $\geq 0.5 \text{ N/mm}^2$
Waterproofing



Provides moisture control.
By limiting moisture content
Coating that increases resistance.



PETEK AQUA STOP 10



DESCRIPTION: A fully elastic, two component, CMP class waterproofing mortar that is polymer emulsion modified and cement-based, designed for challenging conditions with significant temperature fluctuations.

APPLICATION AREAS: It is used in all types of buildings, particularly in wet areas such as balconies, bathrooms, toilets, and kitchens, as well as on terraces, in swimming pools, and in water tanks, as a waterproofing material under ceramics.

ADVANTAGES: Safe for use in wet areas, terraces, swimming pools, and water reservoirs. Suitable for application under ceramics and similar covering materials. Safe for drinking water. Provides resistance to temperature fluctuations with its fully elastomeric structure. Easy and convenient to apply.

SURFACE PREPARATION: The surface must be clean, damp, smooth, and sound. Significant defects and holes on the surface should be repaired. Highly porous surfaces, such as raw concrete and cement-based plaster, should be wetted with clean water and left to remain damp until the water layer disappears.

APPLICATION INSTRUCTIONS: For each coat, slowly add 20 kg of the powder component to 10 kg of the liquid component and mix with a low-speed mixer for about 2-3 minutes until a homogeneous consistency is achieved. Allow the mixture to rest for 2 minutes, then remix it before application. Apply **Petek Aqua Stop 10** to the entire surface in at least 2 coats using a brush or trowel. Each coat should be applied perpendicular to the previous one. Allow a minimum of 5 hours between coats.

WARNINGS AND RECOMMENDATIONS: Not suitable for application on wood, particle board, plywood, or metal surfaces. Not suitable for negative water pressure. Do not leave exposed in direct sunlight. Only use the product's own liquid component for mixing; do not add water. No foreign materials should be added. Surfaces treated with **Petek Aqua Stop 10** must be protected from direct sunlight, air currents, and frost for 3 days. If necessary, keep the surface damp. For surfaces exposed to mechanical impact, apply a protective layer such as ceramic over **Petek Aqua Stop 10**. Do not apply ceramic or similar coverings until at least 1 day after applying Petek Aqua Stop 10. Clean all tools with water before they dry after use.

PACKAGING AND SHELF LIFE: In its original, unopened packaging, the product has a shelf life of 1 year from the production date when stored in dry and moisture-free conditions. The liquid component should be protected from frost. The packaging should be tightly closed if not in use.

Technical Specifications:

Structural Component:

Two-Component

Colour:

Grey Powder and White Liquid

Application Thickness:

Min. 2 mm, max. 4 mm

Curing Time:

Min. 5 minutes

Shelf Life:

12 months in unopened packaging, in a dry environment

Application Information:

Pot Life:

Max. 2 hours

Overcoat Time:

Min. 3 days

Time to Service:

Min. 7 days

Consumption:

1.5-1.8 kg/m² per 1 mm application (excluding spills and waste)

Number of Coats:

2 coats

Between Coats Waiting Time:

Minimum 6 hours

Complies with TS 13780 Standards.
Public Works Pos. No: 15.270.1005
Public Works Pos. No: 15.270.1005
Adhesion strength: $\geq 1.0 \text{ N/mm}^2$
Crack opening: $\geq 0.75 \text{ mm}$
Waterproofing Time: $\geq 1.5 \text{ bar (positive)}$
Initial: $\geq 0.5 \text{ N/mm}^2$
After Heat Aging: $\geq 0.5 \text{ N/mm}^2$
After Water Immersion: $\geq 0.5 \text{ N/mm}^2$
After Freeze-Thaw Cycle: $\geq 0.5 \text{ N/mm}^2$
Tensile Adhesion Strength after Contact with Calcareous Water: $\geq 0.5 \text{ N/mm}^2$
Waterproofing

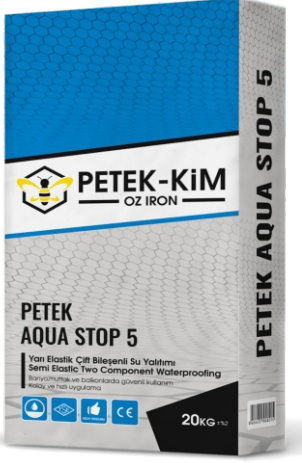


Provides moisture control.
By limiting moisture content
Coating that increases resistance.



Waterproofing Applications

PETEK AQUA STOP 5



DESCRIPTION: Polymer emulsion-modified, cement-acrylic-based, two-component, CM class, semi-elastic waterproofing mortar.

APPLICATION AREAS: Used in all types of buildings, particularly in wet areas such as balconies, bathrooms, toilets, and kitchens, as a waterproofing material under ceramics.

ADVANTAGES: Enhanced, easy, and convenient application features. Quick transition to ceramic application. Safe use in bathrooms, kitchens, and balconies.

SURFACE PREPARATION: The surface must be clean, damp, smooth, and sound. Significant defects and holes on the surface should be repaired. Highly porous surfaces, such as raw concrete and cement-based plaster, should be wetted with clean water and left to remain damp until the water layer disappears.

APPLICATION INSTRUCTIONS: For each coat, slowly add 20 kg of the powder component to 10 kg of the liquid component and mix with a low-speed mixer for about 2-3 minutes until a homogeneous consistency is achieved. Allow the mixture to rest for 2 minutes, then remix it before application. Apply **Petek Aqua Stop 10** to the entire surface in at least 2 coats using a brush or trowel. Each coat should be applied perpendicular to the previous one. Allow a minimum of 5 hours between coats.

WARNINGS AND RECOMMENDATIONS: Not suitable for application on wood, particle board, plywood, or metal surfaces. Not suitable for negative water pressure. Do not leave exposed in direct sunlight. Only use the product's own liquid component for mixing; do not add water. No foreign materials should be added. Surfaces treated with **Petek Aqua Stop 10** must be protected from direct sunlight, air currents, and frost for 3 days. If necessary, keep the surface damp. For surfaces exposed to mechanical impact, apply a protective layer such as ceramic over **Petek Aqua Stop 10**. Do not apply ceramic or similar coverings until at least 1 day after applying **Petek Aqua Stop 10**. Clean all tools with water before they dry after use.

PACKAGING AND SHELF LIFE: In its original, unopened packaging, the product has a shelf life of 1 year from the production date when stored in dry and moisture-free conditions. The liquid component should be protected from frost. The packaging should be tightly closed if not in use.

Technical Specifications:

Structural Component:

Two-component

Color:

Gray powder and white liquid

Application Thickness

Min. 2 mm, max. 4 mm

Curing Time:

Min. 5 minutes

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Information:

Pot Life:

Max. 2 hours

Overcoating Time:

Min. 3 days

Curing Time:

Min. 7 days

Consumption:

1.8-2.0 kg/m² per 1 mm application (excluding spillage and losses)

Number of Coats:

2 coats

Waiting Time Between Coats:

Minimum 6 hours

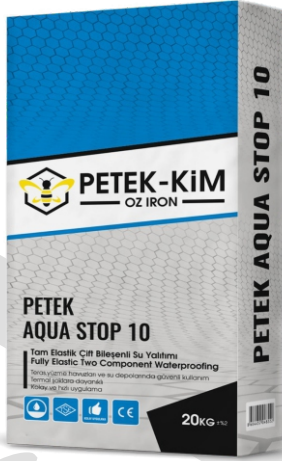
CE	
PETEK-KİMYA PİKİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4 No: 2/SBağlar/Diyarbakır/Türkiye	
24	
In compliance with TS 13780 Standards.	
Public Works Position No: 15.270.1005	
Adhesion Strength: $\geq 1,0 \text{ N/mm}^2$ Crack Bridging: $\geq 0,75 \text{ mm}$ Waterproofing Duration: $\geq 1,5 \text{ ba (positive)}$ Initial Adhesion: $\geq 0,5 \text{ N/mm}^2$ After Heat Aging: $\geq 0,5 \text{ N/mm}^2$ After Immersion in Water: $\geq 0,5 \text{ N/mm}^2$ After Freeze-Thaw Cycles: $\geq 0,5 \text{ N/mm}^2$ After Contact with Lime Water Pull-Off Adhesion Strength: $0,5 \geq \text{N/mm}^2$	
Waterproofing	



Provides moisture control.
By limiting moisture content.
Coating that increases resistance.



PETEK AQUA STOP 10



DESCRIPTION: A fully elastic, two component, CMP class waterproofing mortar that is polymer emulsion modified and cement-based, designed for challenging conditions with significant temperature fluctuations.

APPLICATION AREAS: It is used in all types of buildings, particularly in wet areas such as balconies, bathrooms, toilets, and kitchens, as well as on terraces, in swimming pools, and in water tanks, as a waterproofing material under ceramics.

ADVANTAGES: Safe for use in wet areas, terraces, swimming pools, and water reservoirs. Suitable for application under ceramics and similar covering materials. Safe for drinking water. Provides resistance to temperature fluctuations with its fully elastomeric structure. Easy and convenient to apply.

SURFACE PREPARATION: The surface must be clean, damp, smooth, and sound. Significant defects and holes on the surface should be repaired. Highly porous surfaces, such as raw concrete and cement-based plaster, should be wetted with clean water and left to remain damp until the water layer disappears.

APPLICATION INSTRUCTIONS: For each coat, slowly add 20 kg of the powder component to 10 kg of the liquid component and mix with a low-speed mixer for about 2-3 minutes until a homogeneous consistency is achieved. Allow the mixture to rest for 2 minutes, then remix it before application. Apply **Petek Aqua Stop 10** to the entire surface in at least 2 coats using a brush or trowel. Each coat should be applied perpendicular to the previous one. Allow a minimum of 5 hours between coats.

WARNINGS AND RECOMMENDATIONS: Not suitable for application on wood, particle board, plywood, or metal surfaces. Not suitable for negative water pressure. Do not leave exposed in direct sunlight. Only use the product's own liquid component for mixing; do not add water. No foreign materials should be added. Surfaces treated with **Petek Aqua Stop 10** must be protected from direct sunlight, air currents, and frost for 3 days. If necessary, keep the surface damp. For surfaces exposed to mechanical impact, apply a protective layer such as ceramic over **Petek Aqua Stop 10**. Do not apply ceramic or similar coverings until at least 1 day after applying **Petek Aqua Stop 10**. Clean all tools with water before they dry after use.

PACKAGING AND SHELF LIFE: In its original, unopened packaging, the product has a shelf life of 1 year from the production date when stored in dry and moisture-free conditions. The liquid component should be protected from frost. The packaging should be tightly closed if not in use.

Technical Specifications:

Structural Component:

Two-Component

Colour:

Grey Powder and White Liquid

Application Thickness:

Min. 2 mm, max. 4 mm

Curing Time:

Min. 5 minutes

Shelf Life:

12 months in unopened packaging, in a dry environment

Application I formation:

Pot Life:

Max. 2 hours

Overcoat Time:

Min. 3 days

Time to Service:

Min. 7 days

Consumption:

1.5-1.8 kg/m² per 1 mm application (excluding spills and waste)

Number of Coats:

2 coats

Between Coats Waiting Time:

Minimum 6 hours

CE

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Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS 13780 Standards.

Public Works Position No: 15.270.1005

Adhesion Strength: $\geq 1.0 \text{ N/mm}^2$

Crack Bridging: $\geq 0.75 \text{ mm}$

Water Tightness Duration: $\geq 3 \text{ bar (positive)}$

Initial: $\geq 0.5 \text{ N/mm}^2$

After Heat Aging: $\geq 0.5 \text{ N/mm}^2$

After Immersion in Water: $\geq 0.5 \text{ N/mm}^2$

After Freeze-Thaw Cycles: $\geq 0.5 \text{ N/mm}^2$

Adhesion Strength After Contact with Lime Water: $\geq 0.5 \text{ N/mm}^2$

Waterproofing



Provides moisture control,
By limiting moisture content
Coating that increases resistance.





PETEK-KİM
— OZ IRON —

For Durable and Aesthetic Constructions

Adhesives



Adhesives

PETEK ULTRA - GREY



DESCRIPTION:

It is a cement-based ceramic adhesive mortar.

APPLICATION AREAS:

Used for applying floor and wall ceramics onto surfaces such as concrete, plaster, and screed.

ADVANTAGES:

It offers high adhesion strength. Easy to trowel.

SURFACE PREPARATION:

The surface should be free of substances that could prevent adhesion. Ensure that the surface is cured and sound. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between the ceramics should be cleaned with water.

APPLICATION INSTRUCTIONS:

Slowly add 25 kg of **Petek Ultra** to the recommended amount of water and mix until a homogeneous mixture is obtained. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. It should be mixed again before application. For better adhesion, spread **Petek Ultra** onto the surface with the flat side of the trowel and then comb it with the notched side of the trowel, chosen according to the tile size. Tiles should be pressed onto the combed mortar within 30 minutes, preferably using a rubber mallet. In unfavorable conditions such as high temperatures, low humidity, or wind, this time may be reduced.

WARNINGS AND RECOMMENDATIONS:

After application, hands and tools should be washed thoroughly with water. Do not apply adhesive over mortar that has exceeded its working time; it should be scraped off the surface. Discard mortar that has exceeded the pot life or has formed a skin. Avoid direct contact with water for at least 24 hours on tiles adhered with **Petek Ultra**.

PACKAGING AND SHELF LIFE:

Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications

At 23°C and 50% Relative Humidity

Appearance:

Gray powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(35°C)

Mixing Ratio:

6-6.5 liters of water

Pot Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floor

Consumption:

3-5 kg/m² (Varies depending on the surface.)

CE

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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive

1: Normal setting (standard performance)

Public Works Position No:10.300.2201

Slip: < 0,5 mm

Open Time: > 0,5 N/mm²

Adhesion Strength: NPD

Initial: < 0,5 N/mm²

After Heat Aging: < 0,5 N/mm²

After Water Immersion: < 0,5 N/mm²

After Freeze -Thaw Cycles: a < 0,5 N/mm²

Temperature Resistance (40°C) -(100°C)

Hazardous Substances: Refer to the Safety Data Sheet

Fire Reaction: A1

System 3

PETEK ULTRA - WHITE



DESCRIPTION:

It is a cement-based ceramic adhesive mortar.

APPLICATION AREAS:

Used for applying floor and wall ceramics onto surfaces such as concrete, plaster, and screed.

ADVANTAGES:

It offers high adhesion strength. Easy to trowel.

SURFACE PREPARATION:

The surface should be free of substances that could prevent adhesion. Ensure that the surface is cured and sound. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between the ceramics should be cleaned with water.

APPLICATION INSTRUCTIONS:

Slowly add 25 kg of **Petek Ultra** to the recommended amount of water and mix until a homogeneous mixture is obtained. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. It should be mixed again before application. For better adhesion, spread **Petek Ultra** onto the surface with the flat side of the trowel and then comb it with the notched side of the trowel, chosen according to the tile size. Tiles should be pressed onto the combed mortar within 30 minutes, preferably using a rubber mallet. In unfavorable conditions such as high temperatures, low humidity, or wind, this time may be reduced.

WARNINGS AND RECOMMENDATIONS:

After application, hands and tools should be washed thoroughly with water. Do not apply adhesive over mortar that has exceeded its working time; it should be scraped off the surface. Discard mortar that has exceeded the pot life or has formed a skin. Avoid direct contact with water for at least 24 hours on tiles adhered with **Petek Ultra**.

PACKAGING AND SHELF LIFE:

Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications

At 23°C and 50% Relative Humidity

Appearance:

White powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

6-6.5 liters of water

Pot Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floor

Consumption:

3-5 kg/m² (Varies depending on the surface.)

CE

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Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit.B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive

1: Normal setting (standard performance)

Public Works Position No:10.300.2201

Slip: < 0,5 mm

Open Time: > 0,5 N/mm²

Adhesion Strength: NPD

Initial: < 0,5 N /mm²

After Heat Aging: < 0,5 N /mm²

After Water Immersion: < 0,5 N /mm²

After Freeze -Thaw Cycles: a < 0,5 N /mm²

Temperature Resistance (40°C) -(100°C)

Hazardous Substances: Refer to the Safety Data Sheet

Fire Reaction: A1

System 3

Adhesives

PETEK ULTRA MAX - GREY



DESCRIPTION: Cement based tile adhesive with reduced slip.

APPLICATION AREAS: Used for fixing ceramic, tile and similar coating materials on interior walls, floors. Bonding of and any other high water absorbing construction elements.

ADVANTAGES: It offers high adhesion strength. Easy to trowel.

SURFACE PREPARATION: The surface should be free of substances that could prevent adhesion. Ensure that the surface is cured and sound. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between the ceramics should be cleaned with water.

APPLICATION INSTRUCTIONS: Slowly add 25 kg of **Petek Ultra Max** to the recommended amount of water and mix until a homogeneous mixture is obtained. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. It should be mixed again before application. For better adhesion, spread **Petek Ultra Max** on to the surface with the flat side of the trowel and then comb it with the notched side of the trowel, chosen according to the tile size. Tiles should be pressed on to the combed mortar within 30 minutes, preferably using a rubber mallet. In unfavorable conditions such as high temperatures, low humidity, or wind, this time may be reduced.

WARNINGS AND RECOMMENDATIONS: After application, hands and tools should be washed thoroughly with water. Do not apply adhesive over mortar that has exceeded its working time; it should be scraped off the surface. Discard mortar that has exceeded the pot life or has formed a skin. Avoid direct contact with water for at least 24 hours on tiles adhered with **Petek Ultra Max**.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

At 23°C and 50% Relative Humidity

Appearance:

Grey Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Data

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

6,75-7lt water

Pot Life:

2 hours

Grouting:

8 hours on walls, 1 day on floor

Consumption:

4-6 kg/m² (Varies depending on the surface.)

CE
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24
In compliance with TS EN 12004-1 Standards
C: Cementitious adhesive 1: Standart performans T: Reduced Slip Public Works Position No:10.300.2201
Slip: ≤ 0,5 mm Open Time: ≥ 0,5 N/mm ² Adhesion Strength: NPD Initial: ≤ 0,5 N/mm ² After Heat Aging: ≤ 0,5 N/mm ² After Water Immersion: ≤ 0,5 N/mm ² After Freeze - Thaw Cycles: ≤ 0,5 N/mm ² Temperature Resistance: (-15°C)-(+70°C) Hazardous Substances: See SDS Fire Reaction: A1
System 3

PETEK ULTRA MAX - WHITE



DESCRIPTION: Cement based tile adhesive with reduced slip.

APPLICATION AREAS: Used for fixing ceramic, tile and similar coating materials on interior walls, floors. Bonding of and any other high water absorbing construction elements.

ADVANTAGES: It offers high adhesion strength. Easy to trowel.

SURFACE PREPARATION: The surface should be free of substances that could prevent adhesion. Ensure that the surface is cured and sound. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between the ceramics should be cleaned with water.

APPLICATION INSTRUCTIONS: Slowly add 25 kg of **Petek Ultra Max** to the recommended amount of water and mix until a homogeneous mixture is obtained. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. It should be mixed again before application. For better adhesion, spread **Petek Ultra Max** on to the surface with the flat side of the trowel and then comb it with the notched side of the trowel, chosen according to the tile size. Tiles should be pressed on to the combed mortar within 30 minutes, preferably using a rubber mallet. In unfavorable conditions such as high temperatures, low humidity, or wind, this time may be reduced.

WARNINGS AND RECOMMENDATIONS: After application, hands and tools should be washed thoroughly with water. Do not apply adhesive over mortar that has exceeded its working time; it should be scraped off the surface. Discard mortar that has exceeded the pot life or has formed a skin. Avoid direct contact with water for at least 24 hours on tiles adhered with **Petek Ultra Max**.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

At 23°C and 50% Relative Humidity

Appearance:

White Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Data

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

6,75-7lt water

Pot Life:

2 hours

Grouting:

8 hours on walls, 1 day on floor

Consumption:

4-6 kg/m² (Varies depending on the surface.)

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004-1 Standards

C: Cementitious adhesive
1: Standard performance
T: Reduced Slip
Public Works Position No:10.300.2201

Slip: ≤ 0,5 mm
Open Time: ≥ 0,5 N/mm²
Adhesion Strength: NPD
Initial: ≤ 0,5 N/mm²
After Heat Aging: ≤ 0,5 N/mm²
After Water Immersion: ≤ 0,5 N/mm²
After Freeze - Thaw Cycles: ≤ 0,5 N/mm²
Temperature Resistance: (-15°C)-(+70°C)
Hazardous Substances: See SDS
Fire Reaction: A1

System 3

Adhesives

PETEK DİNAMİCA FLEX - GREY



DESCRIPTION: It is a cement-based ceramic adhesive mortar with reduced slip properties and a long working time.

APPLICATION AREAS: It provides excellent results for applying covering materials such as ceramics, mosaics, decorative bricks, natural stones, and travertine on horizontal and vertical surfaces in wet areas like bathrooms and kitchens, as well as on surfaces such as concrete, plaster, and screed.

ADVANTAGES: It has high adhesion strength. It does not slip on vertical surfaces. Easy to trowel.

SURFACE PREPARATION: The surface should be free of substance that could prevent adhesion. Ensure that the surface is cured and sound. Cracked plasters, mortar and cement residues should be scraped off the surface. Porous surfaces should be dampened and allowed to dry before application. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between tiles should be cleaned with water.

APPLICATION INSTRUCTIONS: Slowly add 25 kg of **Petek Dinamica Flex** to the recommended amount of water and mix until a homogeneous mixture is achieved. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. Mix again before application. Spread the mortar onto the surface using a trowel appropriate for the tile size. For better adhesion, after spreading **Petek Dinamica Flex** with the flat side of the trowel, comb the surface with the notched side of the trowel suitable for the tile size. The open time is 30 minutes. Install the tiles within this time frame with firm pressure. Adverse weather conditions (high temperatures, low humidity, wind, etc.) may reduce this time or a few minutes. If the time is exceeded, scrape off and discard the mortar.

WARNINGS AND RECOMMENDATIONS: Clean tools and hands with water, and wipe surfaces with a damp cloth. Discard any mortar that has exceeded its pot life or formed a skin. Tiles installed with **Petek Dinamica Flex** should not be exposed to water for at least 24 hours and should be protected from frost and strong sunlight for at least 5-7 days after application. During and after application, the surface should be protected from air drafts. Do not apply in rainy weather, and protect the surface from rain for 24 hours. Mortar should not be exposed to direct sunlight, and the mixture should be made with warm water.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. Has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

23°C ve %50 Relatif Humidity

Appearance:

Gray powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35 °C)

Mixing Ratio:

6-6,5 kg water

Pot Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floors

Consumption:

3,5 kg/m²

CE

PETEK -KİM YAPIKİMYASALLARI İTHİ.HR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive
1: Normal setting (standard performance)
Public Works Position No:10.300.2202

Slip: ≤ 0,5 mm
Open Time: ≥ 0,5 N/mm²
Adhesion Strength: NPD
Initial: ≤ 0,5 N /mm²
After Heat Aging: ≤ 0,5 N /mm²
After Water Immersion: ≤ 0,5 N /mm²
After Freeze -Thaw Cycles ≤ 0,5 N /mm²
Temperature Resistance (40°C) -(100°C)
Hazardous Substances: Refer to the Safety Data Sheet
Fire Reaction: A1

System 3

PETEK DİNAMİCA FLEX - WHITE



DESCRIPTION: It is a cement-based ceramic adhesive mortar with reduced slip properties and a long working time.

APPLICATION AREAS: It provides excellent results for applying covering materials such as ceramics, mosaics, decorative bricks, natural stones, and travertine on horizontal and vertical surfaces in wet areas like bathrooms and kitchens, as well as on surfaces such as concrete, plaster, and screed.

ADVANTAGES: It has high adhesion strength. It does not slip on vertical surfaces. Easy to trowel.

SURFACE PREPARATION: The surface should be free of substance that could prevent adhesion. Ensure that the surface is cured and sound. Cracked plasters, mortar and cement residues should be scraped off the surface. Porous surfaces should be dampened and allowed to dry before application. Any imperfections on the surface should be corrected with **Petek Fix 404**. Dust between tiles should be cleaned with water.

APPLICATION INSTRUCTIONS: Slowly add 25 kg of **Petek Dinamica Flex** to the recommended amount of water and mix until a homogeneous mixture is achieved. The mixture should be prepared with a low-speed mixer. Allow the prepared mortar to mature for 5-10 minutes before use. Mix again before application. Spread the mortar onto the surface using a trowel appropriate for the tile size. For better adhesion, after spreading **Petek Dinamica Flex** with the flat side of the trowel, comb the surface with the notched side of the trowel suitable for the tile size. The open time is 30 minutes. Install the tiles within this time frame with firm pressure. Adverse weather conditions (high temperatures, low humidity, wind, etc.) may reduce this time or a few minutes. If the time is exceeded, scrape off and discard the mortar.

WARNINGS AND RECOMMENDATIONS: Clean tools and hands with water, and wipe surfaces with a damp cloth. Discard any mortar that has exceeded its pot life or formed a skin. Tiles installed with **Petek Dinamica Flex** should not be exposed to water for at least 24 hours and should be protected from frost and strong sunlight for at least 5-7 days after application. During and after application, the surface should be protected from air drafts. Do not apply in rainy weather, and protect the surface from rain for 24 hours. Mortar should not be exposed to direct sunlight, and the mixture should be made with warm water.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. Has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Properties

23°C and %50 RH

Appearance:

White Powder

Shelf Life:

12 months when stored in the original sealed packing in dry place.

Application Details

Application Temperature Range:

(+5°C)-(+35 °C)

Mixing Ratio:

6-6,5 kg -water

Pot Life:

2 hours

Grouting Time:

8 hours on wall, 24 hours after on floor

Consumption:

3,5 kg/m²

CE

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Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive

1: Normal setting (standard performance)

Public Works Position No:10.300.2202

Slip: ≤ 0,5 mm

Open Time: ≥ 0,5 N/mm²

Adhesion Strength: NP

Initial: ≤ 0,5 N/mm²

After Heat Aging: ≤ 0,5 N/mm²

After Water Immersion: ≤ 0,5 N/mm²

After Freeze -Thaw Cycles ≤ 0,5 N/mm²

Temperature Resistance (40°C) -(100°C)

Hazardous Substances: Refer to the Safety Data Sheet

Fire Reaction: A1

System 3

Adhesives

PETEK GRANTY FLEX PRO - GREY



DESCRIPTION: Cement based flexible glazed porcelain and granite tile adhesive with reduced slip, extended open time and improved with additional qualities.

APPLICATION AREAS: Used for fixing ceramic, granite ceramic and glazed porcelain at interior and exterior walls and floors; Used for fixing tile on existing tile or granite ceramic. Suitable for use on painted and gypsum. Suitable for use on floor heating systems. Suitable for use on private swimming pools.

ADVANTAGES: Safe adhesion for large size coatings. Extended open time.

SURFACE PREPARATION: The surface must be dry, clean, and sound. It should be free from substances that could hinder adhesion, such as dust, dirt, mold release agents, slag, or paint. Cracked plasters, weak under lying surfaces that can not support the load, and residues of mortar or cement should be scraped off. Any imperfections or cracks on the surface should be corrected with **Petek Fix 404** or **Petek Grout Fix**. Dusty surfaces on the back of the tiles should be cleaned by dampening and wiping.

APPLICATION INSTRUCTIONS: Slowly add Petek **Granty Flex Pro** to the recommended amount of water and mix until a homogeneous mixture is achieved. Use a low-speed mixer for the mixing process. Do not add any additives not specified in the application instructions. Allow the prepared mortar to mature for 5-10 minutes. Mix again for 1-2 minutes before starting the application. For better adhesion, spread the mortar on the surface with the flat side of the trowel and then comb it with the notched side of the trowel suitable for the tile size. For the installation of covering materials with dimensions of 40x40 cm or larger, or in areas with heavy foot and load traffic, a combined adhesive method should be preferred. Tiles should be pressed on to the combed mortar within 30 minutes.

WARNINGS AND RECOMMENDATIONS: After application, hand sand tools should be washed thoroughly with water. Surfaces should be cleaned with a damp cloth. The product should be used within its pot life. Tiles adhered with **Petek Granty Flex Pro** should avoid direct contact with water for at least 24 hours. They should be protected from frost and strong sun light for up to 5-7 days. In unfavorable conditions such as high temperatures, low humidity, or wind, this period may be shortened. Adhesive should not be applied over mortar that has exceeded its working time; the mortar should be scraped off the surface.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. Has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

23°C and %50 Relative Humidity

Appearance:

Grey Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Data

Application Temperature:

(+5°C) - (+35 °C)

Mixing Ratio:

Greypowder = 6-6,5 lt water

Shelf Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floors

Consumption:

4-6 kg./m²

CE	
PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4 No:2/S Bağlar/Diyarbakır/Türkiye	
24	
In compliance with TS EN 12004-1 Standards	
C: Cementitious adhesive 2: High Performance T: Reduced Slip E: Extended Open Time S1: Deformable Public Works Position No: 10.300.2204	
Slip: ≤ 0.5 mm Open Time: ≥ 75 psi (0.5 MPa) Initial: < 1 N /mm ² After Heat Aging: ≤ 1 N /mm ² After Water Immersion: ≤ 1 N /mm ² After Freeze - Thaw Cycles: ≤ 1 N /mm ² Shear Strength, impervious ceramic porcelain mosaics (28 day): > 200 psi (1.38 MPa) Shear Strength, glazed wall tile (7 day): > 300 psi (2.07 MPa) Shear Strength, quarry tile (28 day) > 150 psi (1.03 MPa) Shear Strength, quarry tile plywood (28 day) > 150 psi (1.03 MPa) Temperature Resistance: (-40°C) - (80°C) Deformability: ≥ 2,5 mm – S1 Deformable Hazardous Substances: See SDS Fire Reaction: A2	
System 3	



PETEK GRANTY FLEX PRO - WHITE

DESCRIPTION: Cement based flexible glazed porcelain and granite tile adhesive with reduced slip, extended open time and improved with additional qualities.

APPLICATION AREAS: Used for fixing ceramic, granite ceramic and glazed porcelain at interior and exterior walls and floors; Used for fixing tile on existing tile or granite ceramic. Suitable for use on painted and gypsum. Suitable for use on floor heating systems. Suitable for use on private swimming pools.

ADVANTAGES: Safe adhesion for large size coatings. Extended open time.

SURFACE PREPARATION: The surface must be dry, clean, and sound. It should be free from substances that could hinder adhesion, such as dust, dirt, mold release agents, slag, or paint. Cracked plasters, weak under lying surfaces that can not support the load, and residues of mortar or cement should be scraped off. Any imperfections or cracks on the surface should be corrected with **Petek Fix 404** or **Petek Grond Fix**. Dusty surfaces on the back of the tiles should be cleaned by dampening and wiping.

APPLICATION INSTRUCTIONS: Slowly add Petek **Granty Flex Pro** to the recommended amount of water and mix until a homogeneous mixture is achieved. Use a low-speed mixer for the mixing process. Do not add any additives not specified in the application instructions. Allow the prepared mortar to mature for 5-10 minutes. Mix again for 1-2 minutes before starting the application. For better adhesion, spread the mortar on the surface with the flat side of the trowel and then comb it with the notched side of the trowel suitable for the tile size. For the installation of covering materials with dimensions of 40x40 cm or larger, or in areas with heavy foot and load traffic, a combined adhesive method should be preferred. Tiles should be pressed on to the combed mortar within 30 minutes.

WARNINGS AND RECOMMENDATIONS: After application, hand sand tools should be washed thoroughly with water. Surfaces should be cleaned with a damp cloth. The product should be used within its pot life. Tiles adhered with **Petek Granty Flex Pro** should avoid direct contact with water for at least 24 hours. They should be protected from frost and strong sunlight for up to 5-7 days. In unfavorable conditions such as high temperatures, low humidity, or wind, this period may be shortened. Adhesive should not be applied over mortar that has exceeded its working time; the mortar should be scraped off the surface.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. Has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

23°C and %50 Relative Humidity

Appearance:

White Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment.

Application Data

Application Temperature:

(+5°C) - (+35 °C)

Mixing Ratio:

White powder = 7-7,5lt water (25 kg)

Shelf Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floors

Consumption:

4-6 kg./m²

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004-1 Standards

C: Cementitious adhesive

2: High Performance

T: Reduced Slip

E: Extended Open Time

S1: Deformable

Public Works Position No: 10.300.2204

Slip: ≤ 0.5 mm

Open Time: ≥ 75 psi (0.5 MPa)

Initial: < 1 N/mm²

After Heat Aging: ≤ 1 N/mm²

After Water Immersion: ≤ 1 N/mm²

After Freeze - Thaw Cycles: ≤ 1 N/mm²

Shear Strength, impervious ceramic porcelain mosaics

(28 day): > 200 psi (1.38 MPa)

Shear Strength, glazed wall tile (7 day): > 300 psi (2.07 MPa)

Shear Strength, quarry tile (28 day): > 150 psi (1.03 MPa)

Shear Strength, quarry tile plywood (28 day): > 150 psi (1.03 MPa)

Temperature Resistance: (-40°C) - (80°C)

Deformability: ≥ 2,5 mm – S1 Deformable

Hazardous Substances: See SDS

Fire Reaction: A2

System 3

Adhesives

PETEK GRANTY FLEX - GREY



DESCRIPTION: It is a high-performance, cement-based adhesive mortar with reduced slip properties and a long working time.

APPLICATION AREAS: Used for the installation of covering materials such as granite, large-format ceramics, cotton, and clinker on horizontal and vertical surfaces in both interior and exterior applications. Suitable for use on surfaces like concrete, plaster, and screed, as well as for applying new ceramics over old tiles or marble. Ideal for areas with heavy foot and load traffic, such as shopping centers, hospitals, and schools.

ADVANTAGES: It offers high adhesion strength, does not slip on vertical surfaces, and is easy to trowel.

SURFACE PREPARATION: The surface must be dry, clean, and sound. It should be free from substances that could hinder adhesion, such as dust, dirt, mold release agents, slag, or paint. Cracked plasters, weak underlying surfaces that cannot support the load, and residues of mortar or cement should be scraped off. Any imperfections or cracks on the surface should be corrected with **Petek Fix 404** or **Petek Grond Fix**. Dusty surfaces on the back of the tiles should be cleaned by dampening and wiping.

APPLICATION INSTRUCTIONS: Slowly add **Petek Granty Flex** to the recommended amount of water and mix until a homogeneous mixture is achieved. Use a low-speed mixer for the mixing process. Do not add any additives not specified in the application instructions. Allow the prepared mortar to mature for 5-10 minutes. Mix again for 1-2 minutes before starting the application. For better adhesion, spread the mortar on the surface with the flat side of the trowel and then comb it with the notched side of the trowel suitable for the tile size. For the installation of covering materials with dimensions of 40x40 cm or larger, or in areas with heavy foot and load traffic, a combined adhesive method should be preferred. Tiles should be pressed onto the combed mortar within 30 minutes.

WARNINGS AND RECOMMENDATIONS: After application, hands and tools should be washed thoroughly with water. Surfaces should be cleaned with a damp cloth. The product should be used within its pot life. Tiles adhered with **Petek Granty Flex** should avoid direct contact with water for at least 24 hours. They should be protected from frost and strong sunlight for up to 5-7 days. In unfavorable conditions such as high temperatures, low humidity, or wind, this period may be shortened. Adhesive should not be applied over mortar that has exceeded its working time; the mortar should be scraped off the surface.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, with 64 bags per pallet, totaling 1600 kg. Has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused packaging should be tightly sealed.

Technical Specifications:

23°C ve %50 Relatif Humidity

Appearance:

Gray powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application temperature:

(+5°C)-(+35 °C)

Mixing Ratio:

6-6,5 kg water

Pot Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floors

Consumption:

3,5 kg/m²

CE

PETEK -KİM YAPI KİMYASALLARI İTHİ.HR. SAN. TİC. LTD. ŞTİ
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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive
1: Normal setting (standard performance)
Public Works Position No:10.300.2202

Slip: ≤ 0,5 mm
Open Time: ≥ 0,5 N/mm²
Adhesion Strength: NPd
Initial: ≤ 0,5 N /mm²
After Heat Aging: ≤ 0,5 N /mm²
After Water Immersion: ≤ 0,5 N /mm²
After Freeze -Thaw Cycles ≤ 0,5 N /mm²
Temperature Resistance (40°C) -(100°C)
Hazardous Substances: Refer to the Safety Data Sheet
Fire Reaction: A1

System 3

PETEK GRANTY FLEX - WHITE



DESCRIPTION: High performance cementitious adhesive with extended open time and reduced slip.

FIELDS OF APPLICATION: Interior and exterior floor and Wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker, on cementitious renders, cementitious beds, and concrete. Bonding of tiles on existing ceramic tiles or marble. Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

ADVANTAGES: Perfect adherence. Can be applied on vertical surfaces even for bonding of heavy tiles without sagging. Easily trowelable.

PREPARATION OF SUBSTRATES: Substrates must be sound, free from oil, grease, and sufficiently dry. Cementitious substrates must be cured. Cracked plasters mortar and cement residues must be scraped, off the surface. The porous surfaces should be wetted and must be left dry before application. Use **Petek Fix 404** or **Petek Grond Fix** in case of uneven substrates to get a sound and flat surface. Wipe the back sides of tiles with water if dusty.

APPLICATION: Pour **Petek Granty Flex** on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions or the application. Allow to stand for 5-10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application. Spread the mortar onto substrate with a notched trowel of which notch size is appropriate to the tile dimension. To obtain a good adhesion first apply a thin coat of **Petek Granty Flex** with the flat side of the trowel, then notch with the toothed side of the trowel. Application of large tiles greater 40x40), on existing tiles or which are subject to frost or heavy traffic, **Petek Granty Flex**, should be applied also on the back of tiles (combined method). Open time is 30 minutes.

ATTENTION POINTS: Clean tools and hands with water, and surfaces with a damp cloth. Dispose mortars of which the pot life is expired. Tiles installed with **Petek Granty Flex** must not be subject to water for at least 24 hours and must be protected from frost and strong sunlight for at least 5-7 days after installation. Install the tiles within this period with a firm pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time to just a few minutes, if this period is exceeded, scratch and discard the mortar.

PACKAGING AND SHELF LIFE: 25 kg Kraft bag (64 bags in the pallet = 1600 kg.) 1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use. Package should be protected against frost.

Technical Specifications:

23°C ve %50 Relative Humidity

Appearance:

White powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application I formation:

Application temperature:

(+5°C) - (+35 °C)

Mixing Ratio:

6-6,5 kg water

Pot Life:

2 hours

Grouting Time:

8 hours on walls, 1 day on floors

Consumption:

3,5 kg/m²

CE

PETEK -KİM YAPI KİMYASALLARI İTHİ.HR. SAN. TİC. LTD. ŞTİ
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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 12004 -1 Standards

C: Cementitious adhesive

1: Normal setting (standard performance)

Public Works Position No:10.300.2202

Slip: ≤ 0,5 mm

Open Time: ≥ 0,5 N/mm²

Adhesion Strength: NPD

Initial: ≤ 0,5 N/mm²

After Heat Aging: ≤ 0,5 N/mm²

After Water Immersion: ≤ 0,5 N/mm²

After Freeze -Thaw Cycles ≤ 0,5 N/mm²

Temperature Resistance (40°C) -(-100°C)

Hazardous Substances: Refer to the Safety Data Sheet

Fire Reaction: A1

System 3

Adhesives

PETEK STRONG KNITTING - GREY



DESCRIPTION: Cement-based, polymer-enhanced adhesive with increased bonding strength and high-water absorbency, ready for use as an aerated concrete adhesive.

APPLICATION AREAS: For use in both indoor and outdoor environments, on horizontal and vertical applications, in residential buildings, shopping malls, hospitals; for bonding aerated concrete, blocks, bricks, and similar construction elements.

ADVANTAGES: Resistant to water, moisture, and frost. Easy to prepare and apply. Has an ideal application time. Provides high bonding strength. Saves time and labor. Economical.

SURFACE PREPARATION: The surface to be applied must be free of contaminants such as dirt, dust, and oil that could reduce adhesion; surfaces must be dry, clean, and sound.

APPLICATION INSTRUCTIONS: Gradually add **Petek Strong Örgü** to the recommended amount of water according to the technical data sheet, and mix until there are no lumps. It is recommended to use a low-speed mixer for the mixture. Allow the mixture to mature for 5-10 minutes, and remix before application. Apply a 1 mm thick layer of **Petek Strong Örgü** to the surface using the flat side of the trowel, and then smooth it out in one direction using the notched side of the trowel to achieve uniform thickness. Aerated concrete blocks should be tamped from the top and sides to align with the level and straightedge. The given consumption rate is theoretical and may vary depending on application temperature, aerated concrete size, surface, and workmanship. A sample application is recommended for consumption control.

WARNINGS AND RECOMMENDATIONS: For **Petek Strong Örgü** application, ensure that the ambient and surface temperature is between +5°C and +35°C. Avoid application in extreme hot, rainy, or very windy conditions. During outdoor applications, protect the surface from sunlight, rain, wind, and frost for the first 24 hours. Ceramic adhesive working and reaction times are influenced by air temperature, humidity, and surface temperature. High temperatures accelerate hydration, reducing working time accordingly. Low temperatures slow hydration extending working time. Ensure that the surface and ambient temperature do not drop below the allowed minimum temperature for curing.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, with 64 bags per pallet = 1600 kg. Shelf life is 1 year from the production date when stored in dry, moisture-free conditions. The packaging must be tightly closed if not used.

Technical Specifications:

Structural Components:

Cement, mineral fillers, polymer additives

Appearance:

Gray colored powder

Shelf Life:

12 months in unopened packaging, in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 6 liters of water

Pot Life:

1 hour

Open Time:

15-20 min.

CE

PETEK -KİM YAPI KİMYASALLARI İTHİ.HR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.KunKdÜ. ç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 771 - 4 Standards

Public Works Position No: 15.225.1007

Density: 1.80 kg/L

Adhesion Strength:

After 28 days: $\geq 0.5 \text{ N/mm}^2$

Initial: $\geq 1.2 \text{ N/mm}^2$

After immersion in water: $\geq 1.3 \text{ N/mm}^2$

After heat aging: $\geq 0.5 \text{ N/mm}^2$

After freeze-thaw cycles: $\geq 1.8 \text{ N/mm}^2$

Compressive Strength: 10 N/mm^2 (M10)

Reaction to Fire Classification: A1

Gas Concrete Pumice Adhesive

PETEK STRONG KNITTING - WHITE



DESCRIPTION: Cement-based, polymer-enhanced adhesive with increased bonding strength and high-water absorbency, ready for use as an aerated concrete adhesive.

APPLICATION AREAS: For use in both indoor and outdoor environments, on horizontal and vertical applications, in residential buildings, shopping malls, hospitals; for bonding aerated concrete, blocks, bricks, and similar construction elements.

ADVANTAGES: Resistant to water, moisture, and frost. Easy to prepare and apply. Has an ideal application time. Provides high bonding strength. Saves time and labor. Economical.

SURFACE PREPARATION: The surface to be applied must be free of contaminants such as dirt, dust, and oil that could reduce adhesion; surfaces must be dry, clean, and sound.

APPLICATION INSTRUCTIONS: Gradually add **Petek Strong Örgü** to the recommended amount of water according to the technical data sheet, and mix until there are no lumps. It is recommended to use a low-speed mixer for the mixture. Allow the mixture to mature for 5-10 minutes, and remix before application. Apply a 1 mm thick layer of **Petek Strong Örgü** to the surface using the flat side of the trowel, and then smooth it out in one direction using the notched side of the trowel to achieve uniform thickness. Aerated concrete blocks should be tamped from the top and sides to align with the level and straightedge. The given consumption rate is theoretical and may vary depending on application temperature, aerated concrete size, surface, and workmanship. A sample application is recommended for consumption control.

WARNINGS AND RECOMMENDATIONS: For **Petek Strong Örgü** application, ensure that the ambient and surface temperature is between +5°C and +35°C. Avoid application in extreme hot, rainy, or very windy conditions. During outdoor applications, protect the surface from sunlight, rain, wind, and frost for the first 24 hours. Ceramic adhesive working and reaction times are influenced by air temperature, humidity, and surface temperature. High temperatures accelerate hydration, reducing working time accordingly. Low temperatures slow hydration extending working time. Ensure that the surface and ambient temperature do not drop below the allowed minimum temperature for curing.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, with 64 bags per pallet = 1600 kg. Shelf life is 1 year from the production date when stored in dry, moisture-free conditions. The packaging must be tightly closed if not used.

Technical Specifications:

Structural Components:

Cement, mineral fillers, polymer additives

Appearance:

White colored powder

Shelf Life:

12 months in unopened packaging, in a dry environment

Application Information

Application Temperature:

(+5°C) - (+35°C)

Mixing Ratio:

25 kg with 6 liters of water

Pot Life:

1 hour

Open Time:

15-20 min.

CE

PETEK -KİM YAPI KİMYASALLARI İTHİ.HR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.KunKdÜ. ç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 771-4 Standards

Public Works Position No: 15.225.1007

Density: 1.80 kg/L

Adhesion Strength:

After 28 days: $\geq 0.5 \text{ N/mm}^2$

Initial: $\geq 1.2 \text{ N/mm}^2$

After immersion in water: $\geq 1.3 \text{ N/mm}^2$

After heat aging: $\geq 0.5 \text{ N/mm}^2$

After freeze-thaw cycles: $\geq 1.8 \text{ N/mm}^2$

Compressive Strength: 10 N/mm^2 (M10)

Reaction to Fire Classification: A1

Gas Concrete Pumice Adhesive



PETEK-KİM
— OZ IRON —

For Durable and Aesthetic Constructions

Joint Filles



Joint Fillers

PETEK DERZ 2000 - WHITE



DESCRIPTION: Cement-based, water-repellent, color grout with enhanced application properties.

APPLICATION AREAS: Suitable for use in non-specialized areas, wet rooms such as bathrooms and kitchens, and large floor applications, up to 6 mm wide joints.

ADVANTAGES: Superior abrasion resistance, improved application properties, and optimal workability time.

SURFACE PREPARATION: Allow the ceramic adhesive to cure before applying **Petek Derz 2000**. Ideally, in standard conditions, this curing time is 24 hours. Before application remove dust, debris, and construction residues from the joint gaps using a fine stick and clean with a brush. For walls and high-absorption ceramics, dampen the joint gaps before application. The dampening process should be done carefully to ensure uniform moisture without excessive water.

APPLICATION INSTRUCTIONS: Mix 20 kg of **Petek Derz 2000** with 5.6-6.8 liters of water using a low-speed mixer or trowel until free of lumps. Aer 5 minutes, remix before use. Fill the joints with the grout using a rubber squeegee or a rubber-based grout spreading trowel. Ensure the joints are fully filled by first pulling parallel and then diagonally. Remove excess grout from the surface with a soft spatula or a damp sponge spatula. After waiting 15-30 minutes depending on the ambient temperature, clean the surface with a damp sponge to remove any thin grout layer left. Smooth and clean the surface using a dry cloth while **Petek Derz 2000** is still wet.

WARNINGS AND RECOMMENDATIONS: Not suitable for use in high-pressure (> 100 bar) environments, in places requiring high hygiene standards, or swimming pools. Not suitable for deformable surfaces like underfloor heating.

PACKAGING AND SHELF LIFE: Available in 20 kg bags, 80 bags per pallet = 1600 kg. Shelf life is 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly closed.

Technical Specifications:

Structural Component:

Cement

Color:

White powder

Appearance:

Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

20 kg with 5.6-6.8 liters of water

Pot Life:

1 hour

Full Curing Time:

12 hours

Time Required for Floor to be Traffic Ready:

24 hours

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 13888 -1 Standards

Public Works Position No: 10.300.2231

CG2A

Abrasion Resistance: < 1000 mm³

Flexural Strength > 2.5 N/mm²

Compressive Strength > 15 N/mm²

Shrinkage: < 3 mm/m

Water Absorption(30 min): ≤ 2 g

Water Absorption(240 min): ≤ 5 g

System 3

PETEK DERZ 2000 - COLOURFUL



DESCRIPTION: Cement-based, water-repellent, color grout with enhanced application properties.

APPLICATION AREAS: Suitable for use in non-specialized areas, wet rooms such as bathrooms and kitchens, and large floor applications, up to 6 mm wide joints.

ADVANTAGES: Superior abrasion resistance, improved application properties, and optimal workability time.

SURFACE PREPARATION: Allow the ceramic adhesive to cure before applying **Petek Derz 2000**. Ideally, in standard conditions, this curing time is 24 hours. Before application remove dust, debris, and construction residues from the joint gaps using a fine stick and clean with a brush. For walls and high-absorption ceramics, dampen the joint gaps before application. The dampening process should be done carefully to ensure uniform moisture without excessive water.

APPLICATION INSTRUCTIONS: Mix 20 kg of **Petek Derz 2000** with 5.6-6.8 liters of water using a low-speed mixer or trowel until free of lumps. Aer 5 minutes, remix before use. Fill the joints with the grout using a rubber squeegee or a rubber-based grout spreading trowel. Ensure the joints are fully filled by first pulling parallel and then diagonally. Remove excess grout from the surface with a soft spatula or a damp sponge spatula. Aer waiting 15-30 minutes depending on the ambient temperature, clean the surface with a damp sponge to remove any thin grout layer left. Smooth and clean the surface using a dry cloth while **Petek Derz 2000** is still wet.

WARNINGS AND RECOMMENDATIONS: Not suitable for use in high-pressure (> 100 bar) environments, in places requiring high hygiene standards, or swimming pools. Not suitable for deformable surfaces like underfloor heating.

PACKAGING AND SHELF LIFE: Available in 20 kg bags, 80 bags per pallet = 1600 kg. Shelf life is 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly closed.

Technical Specifications:

Structural Component:

Cement

Color:

12 color options

Appearance:

Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C) - (+35°C)

Mixing Ratio:

20 kg with 5.6-6.8 liters of water

Pot Life:

1 hour

Full Curing Time:

12 hours

Time Required for Floor to be Traffic Ready:

24 hours

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 13888 -1 Standards

Public Works Position No: 10.300.2231

CG2A

Abrasion Resistance: < 1000 mm³

Flexural Strength > 2.5 N/mm²

Compressive Strength > 15 N/mm²

Shrinkage: < 3 mm/m

Water Absorption(30 min): ≤ 2 g

Water Absorption(240 min): ≤ 5 g

System 3

Joint Fillers

PETEK - SİL DERZ - WHITE



DESCRIPTION: A high-performance, colored joint filler, based on cement and enhanced with special polymer additives and silicone.

APPLICATION AREAS: Used for joint applications up to 6 mm wide in ceramic, tiles, natural stone, granite ceramics, marble, and similar cladding materials.

ADVANTAGES: Silicone-enhanced formula provides high performance against soiling and excellent water repellency.

SURFACE PREPARATION: To ensure uniform color and drying, before the joint application, remove dust, debris, construction cement residues, etc., from the joint gaps using a fine tool, and clean with a brush. Particularly on walls, moisten the joint gaps before application.

APPLICATION INSTRUCTIONS: Mix 20 kg of **Petek-Sil Derz** with approximately 6-7 liters of water using a low-speed mixer or trowel until free of lumps. After mixing, let the mixture rest for a few minutes and then remix for 1-2 minutes before application. Fill the joint gaps with the mixture using a hard rubber trowel or a trowel with a hard rubber base. To ensure thorough filling, apply the mixture parallel and then diagonally. Remove excess material from the surface using a soft spatula or a damp sponge-tipped spatula. After waiting 15-30 minutes, depending on the ambient temperature, wipe the surface with a damp sponge to clean any thin joint residue. For smoothing and cleaning the surface, use a dry cloth while **Petek-Sil Derz** is still wet.

WARNINGS AND RECOMMENDATIONS: Do not apply in areas exposed to high pressure (>100 bar) or chemicals, in hygiene-critical environments, or in swimming pools. Avoid use on deformable surfaces such as underfloor heating systems and terraces.

PACKAGING AND SHELF LIFE: In 20 kg bags, 80 bags per pallet = 1600 kg. Shelf life is 1 year from the production date in dry, moisture-free conditions. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Color:

White powder

Appearance:

Powder

Shelf Life:

12 Months in unopened packaging, in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

20 kg with 6-7 liters of water

Pot Life:

1 hour

Complete Curing Time:

12 Hours

Time Before Floor Can Be Used:

24-48 hours

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 13888 -1 Standards

Public Works Position No: 10.300.2231

CG2A

Abrasion Resistance: < 1000 mm³

Flexural Strength > 2.5 N/mm²

Compressive Strength > 15 N/mm²

Shrinkage: < 3 mm/m

Water Absorption(30 min): ≤ 2 g

Water Absorption(240 min): ≤ 5 g

System 3

PETEK - SİL DERZ - COLOURFUL



DESCRIPTION: A high-performance, colored joint filler, based on cement and enhanced with special polymer additives and silicone.

APPLICATION AREAS: Used for joint applications up to 6 mm wide in ceramic, tiles, natural stone, granite ceramics, marble, and similar cladding materials.

ADVANTAGES: Silicone-enhanced formula provides high performance against soiling and excellent water repellency.

SURFACE PREPARATION: To ensure uniform color and drying, before the joint application, remove dust, debris, construction cement residues, etc., from the joint gaps using a fine tool, and clean with a brush. Particularly on walls, moisten the joint gaps before application.

APPLICATION INSTRUCTIONS: Mix 20 kg of **Petek-Sil Derz** with approximately 6-7 liters of water using a low-speed mixer or trowel until free of lumps. After mixing, let the mixture rest for a few minutes and then remix for 1-2 minutes before application. Fill the joint gaps with the mixture using a hard rubber trowel or a trowel with a hard rubber base. To ensure thorough filling, apply the mixture parallel and then diagonally. Remove excess material from the surface using a soft spatula or a damp sponge-tipped spatula. After waiting 15-30 minutes, depending on the ambient temperature, wipe the surface with a damp sponge to clean any thin joint residue. For smoothing and cleaning the surface, use a dry cloth while **Petek-Sil Derz** is still wet.

WARNINGS AND RECOMMENDATIONS: Do not apply in areas exposed to high pressure (>100 bar) or chemicals, in hygiene-critical environments, or in swimming pools. Avoid use on deformable surfaces such as underfloor heating systems and terraces.

PACKAGING AND SHELF LIFE: In 20 kg bags, 80 bags per pallet = 1600 kg. Shelf life is 1 year from the production date in dry, moisture-free conditions. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement
Color:
12 color options

Appearance:

Powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C) - (+35°C)

Mixing Ratio:

20 kg with 5.6-6.8 liters of water

Pot Life:

1 hour

Full Curing Time:

12 hours

Time Required for Floor to be Traffic Ready:

24 hours

CE

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No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 13888 -1 Standards

Public Works Position No: 10.300.2231

CG2A

Abrasion Resistance: < 1000 mm³

Flexural Strength: > 2.5 N/mm²

Compressive Strength: > 15 N/mm²

Shrinkage: < 3 mm/m

Water Absorption(30 min): ≤ 2 g

Water Absorption(240 min): ≤ 5 g

System 3

Joint Filler



White



Gray



Uludağ Gray



Satin Gray



Didim Begie



Bahama Beige



Ivory



Miletus Coffee



Brown



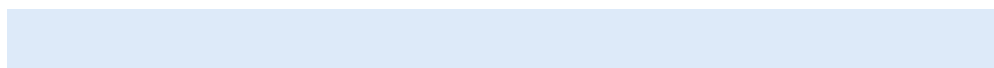
Coffee with Milk



Cappadocia Red Coffee



Cotto



Atlas Blue



Mediterranean Blue





Bitter














Green Green

ng Colors


Walnut

Mustard Yellow

Satin Yellow

Powder

Dried Rose

Vanilla

Black

Pool Blue

Cappadocia Cream

Cappadocia Beige

Avanos Beige

Urgup Beige

Nevsehir Beige

Anthracite

Cocoa

Jasmine

Joint Filler Consumption Table

Cement Based

Ceramic Dimensions (cm)	Joint Depth (mm)	Joint W						
		1	2	3	4	5	6	10
		Consumption (gr/m²)						
2,5x2,5	6	800	1600	2400	3200	4000	4750	7950
	8	1100	2100	3200	4250	5300	6350	10600
	10	1350	2650	4000	5300	6650	7950	13200
	12	1600	3200	4750	6350	7950	9500	15850
5x5	6	400	800	1200	1600	2000	2400	4000
	8	550	1110	1600	2100	2650	3200	5300
	10	700	1350	2000	2650	3300	4000	6600
	12	800	1600	2400	3200	4000	4750	7950
10x10	6	200	400	600	800	1000	1200	2000
	8	300	550	800	1100	1350	1600	2650
	10	350	700	1000	1350	1650	2000	3300
	12	400	800	1200	1600	2000	2400	4000
10x20	6	150	300	450	600	750	900	1500
	8	200	400	600	800	990	1200	2000
	10	250	500	750	1000	1250	1500	2500
	12	300	600	900	1200	1500	1800	3000
20x20	6	100	200	300	400	500	600	1000
	8	150	300	400	550	700	800	1350
	10	200	350	500	700	850	1000	1650
	12	200	400	600	800	1000	1200	2000
20x30	6	100	200	250	350	450	500	850
	8	150	250	350	450	550	700	1100
	10	150	300	450	550	700	850	1400
	12	200	350	500	700	850	1000	1650
20x50	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	550	950
	10	150	250	350	500	600	700	1150
	12	150	300	450	550	700	850	1400
25x33	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	600	950
	10	150	250	350	500	600	700	1200
	12	150	300	450	600	700	850	1400
25x40	6	100	150	200	250	350	400	650
	8	100	200	250	350	450	550	850
	10	150	250	350	450	550	650	1100
	12	150	250	400	550	650	800	1300
25x75	6	50	100	200	250	300	350	550
	8	100	150	250	300	350	450	700
	10	100	200	300	350	450	550	900
	12	150	250	350	450	550	650	1050
30x30	6	100	150	200	300	400	400	700
	8	100	200	300	350	450	550	900
	10	150	250	350	450	550	700	1100
	12	150	300	400	550	700	800	1350
30x45	6	100	150	200	250	300	350	550
	8	100	150	250	300	400	450	750
	10	100	200	300	400	500	550	950
	12	150	250	350	450	550	700	1100

Ceramic Dimensions (cm)	Joint Depth (mm)	Joint Width (mm)						
		1	2	3	4	5	6	10
		Consumption (gr/m²)						
30x60	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
30x90	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	600
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
33x33	6	100	150	200	250	300	400	600
	8	100	200	250	350	400	500	800
	10	100	200	300	400	500	600	1000
	12	150	250	400	500	600	750	1200
33x50	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
40x40	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	990
45x45	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	500
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
45x90	6	50	100	100	150	200	200	350
	8	50	100	150	200	250	300	450
	10	100	150	200	250	300	350	550
	12	100	150	200	300	350	400	700
50x100	6	50	100	100	150	150	200	300
	8	50	100	150	200	200	250	400
	10	50	100	150	200	250	300	500
	12	100	150	200	250	300	400	600
50x150	6	50	100	100	150	150	200	300
	8	50	100	150	150	200	250	350
	10	50	100	150	200	250	300	450
	12	100	150	200	250	300	350	550
60x60	6	50	100	100	200	200	200	350
	8	50	100	150	300	250	300	450
	10	50	100	200	250	300	350	550
	12	100	150	200	300	350	400	700
60x120	6	50	50	100	100	150	150	250
	8	50	100	100	150	200	200	350
	10	50	100	150	200	200	250	450
	12	50	100	150	200	250	300	500



PETEK-KiM
— OZ IRON —

For Durable and Aesthetic Constructions

Technical Applications



Technical Applications

PETEK FIX 404 - THIN - GREY



DEFINITION: It is a polymer-reinforced, cement-based surface repair mortar.

APPLICATION AREAS: Suitable for use in restoration work on buildings, providing a smooth surface before painting, ceramic tiles, and insulation; filling cracks on surfaces such as exposed concrete, prefabricated concrete, aerated concrete, concrete blocks, and bricks; and for repairing and plastering damaged, eroded, cracked, or broken surfaces up to 1-10 mm.

ADVANTAGES: It has high adhesion strength. It creates a smooth and solid surface. It is resistant to freeze-thaw cycles. It can be applied in thicknesses ranging from 1-10 mm. Easy to apply.

SURFACE PREPARATION: Ensure that the surface is dry, clean, and solid. The surface to be applied should be free from dust, dirt, form oil, slag, paint, and other residues. Weak surfaces, such as cracked plaster and loose materials, should be scraped off, including any cement or mortar layers that lack sufficient strength.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of **Petek Fix 404** into 4.25-5.25 liters of water and mix until a homogeneous mixture is obtained. The mixing should be done using a low-speed mixer. No additional admixtures not specified in the application instructions should be added. Allow the prepared mortar to rest for 5-10 minutes to mature. Before starting the application, mix it again for 1-2 minutes. The mortar should be applied with a steel trowel, pressing it into damaged, cracked, or broken areas, and should be left with a uniform thickness not exceeding 10 mm. If the surface is damp, it should be finished with a sponge.

WARNINGS AND RECOMMENDATIONS: After application, the surface should be moistened periodically for 24 hours. The prepared mortar should be used within 60 minutes. High temperatures, low humidity, and windy conditions may reduce this time. Mortar that has exceeded its working time or has formed a crust should be discarded. After application, hands and tools should be washed with plenty of water. The specified consumption amount is for general information purposes only and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling its dust and prevent contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Appearance:

Gray Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment.

Application I formation

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.25-5.25 liters of water

Pot Life:

1 hour

Application Thickness:

1-10 mm (in a single layer)

Consumption:

1,40 kg/m² (for 1 mm thickness)

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24

Conforms to TS EN 1504 -3 Standards.

PublicWorksPositionNo: 10.300.2071

Compressive Strength: $\geq 15.0 \text{ N/mm}^2$ (28days)

Flexural Strength: $> 4.0 \text{ N/mm}^2$

Adhesion to Concrete: $> 1.0 \text{ N/mm}^2$

Restrained Shrinkage/Expansion: $> 0.8 \text{ N/mm}^2$

Capillary Water Absorption: $< 0.5 \text{ kg/m}^2 \text{ h}^{0.5}$

Temperature Resistance: (-30°C)-(+80°C)

Hazardous Substances: Refer to the Safety Data Sheet.

Reaction to Fire: A1

FineRepairMortar



PETEK-FIX 404 - THIN - WHITE

DEFINITION: It is a polymer-reinforced, cement-based surface repair mortar.

APPLICATION AREAS: Suitable for use in restoration work on buildings, providing a smooth surface before painting, ceramic tiles, and insulation; filling fissures on surfaces such as exposed concrete, prefabricated concrete, aerated concrete, concrete blocks, and bricks; and for repairing and plastering damaged, eroded, cracked, or broken surfaces up to 1-10 mm.

ADVANTAGES: It has high adhesion strength. It creates a smooth and solid surface. It is resistant to freeze-thaw cycles. It can be applied in thicknesses ranging from 1-10 mm. Easy to apply.

SURFACE PREPARATION: Ensure that the surface is dry, clean, and solid. The surface to be applied should be free from dust, dirt, form oil, slag, paint, and other residues. Weak surfaces, such as cracked plaster and loose materials, should be scraped off, including any cement or mortar layers that lack sufficient strength.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of **Petek Fix 404** into 4.25-5.25 liters of water and mix until a homogeneous mixture is obtained. The mixing should be done using a low-speed mixer. No additional admixtures not specified in the application instructions should be added. Allow the prepared mortar to rest for 5-10 minutes to mature. Before starting the application, mix it again for 1-2 minutes. The mortar should be applied with a steel trowel, pressing it into damaged, cracked, or broken areas, and should be left with a uniform thickness not exceeding 10 mm. If the surface is damp, it should be finished with a sponge.

WARNINGS AND RECOMMENDATIONS: After application, the surface should be moistened periodically for 24 hours. The prepared mortar should be used within 60 minutes. High temperatures, low humidity, and windy conditions may reduce this time. Mortar that has exceeded its working time or has formed a crust should be discarded. After application, hands and tools should be washed with plenty of water. The specified consumption amount is for general information purposes only and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling its dust and prevent contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Appearance:

White Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment.

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.25-5.25 liters of water

Pot Life:

1 hour

Application Thickness:

1-10 mm (in a single layer)

Consumption:

1,40 kg/m² (for 1 mm thickness)

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24

Conforms to TS EN 1504 -3 Standards.

PublicWorksPositionNo: 10.300.2071

Compressive Strength: $\geq 15.0 \text{ N/mm}^2$ (28days)

Flexural Strength: $> 4.0 \text{ N/mm}^2$

Adhesion to Concrete: $> 1.0 \text{ N/mm}^2$

Restrained Shrinkage/Expansion: $> 0.8 \text{ N/mm}^2$

Capillary Water Absorption: $< 0.5 \text{ kg/m}^2 \text{ h}^{0.5}$

Temperature Resistance: (-30°C)-(+80°C)

Hazardous Substances: Refer to the Safety Data Sheet.

Reaction to Fire: A1

Fine Repair Mortar

Technical Applications



PETEK FIX 405 - RUDE- GREY

DEFINITION: It is a polymer-reinforced, cement-based surface repair mortar.

APPLICATION AREAS: Suitable for use in restoration work on buildings, providing a smooth surface before painting, ceramic tiling, and insulation; filling fissures on surfaces such as exposed concrete, prefabricated concrete, aerated concrete, concrete blocks, and bricks; and for repairing and plastering damaged, eroded, cracked, or broken surfaces up to 5-30 mm.

ADVANTAGES: It has high adhesion strength. It creates a smooth and solid surface. It is resistant to freeze-thaw cycles. It can be applied in thicknesses ranging from 5-30 mm. Easy to apply.

SURFACE PREPARATION: Ensure that the surface is dry, clean, and solid. The surface to be applied should be free from dust, dirt, form oil, slag, paint, and other residues. Weak surfaces, such as cracked plaster and loose materials, should be scraped off, including any cement or mortar layers that lack sufficient strength.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of **Petek Fix 405** into 4-5 liters of water and mix until a homogeneous mixture is obtained. The mixing should be done using a low-speed mixer. No additional admixtures not specified in the application instructions should be added. Allow the prepared mortar to rest for 5-10 minutes to mature. Before starting the application, mix it again for 1-2 minutes. The mortar should be applied with a steel trowel, pressing it into damaged, cracked, or broken areas, and should be left with a uniform thickness not exceeding 30 mm. If the surface is damp, it should be finished with a sponge.

WARNINGS AND RECOMMENDATIONS: After application, the surface should be moistened periodically for 24 hours. The prepared mortar should be used within 60 minutes. High temperatures, low humidity, and windy conditions may reduce this time. Mortar that has exceeded its working time or has formed a crust should be discarded. After application, hands and tools should be washed with plenty of water. The specified consumption amount is for general information purposes only and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling its dust and prevent contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Appearance:

Gray Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment.

Application I formation

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.25-5.25 liters of water

Pot Life:

1 hour

Application Thickness:

1-10 mm (in a single layer)

Consumption:

1,40 kg/m² (for 1 mm thickness)

CE

PETEK -KİMYAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TSEN1504 -3Standards

Public Works Position No: 10.300.2071

Compressive Strength:> 15.0 N/mm² (28days)

Flexural Strength: ≥ 4.0N/mm²

Adhesion to Concrete:> 1.0N/mm²

Restrained Shrinkage/Expansion:> 0.8N/mm²

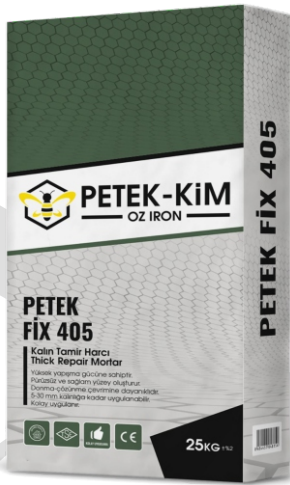
Capillary Water Absorption:< 0.5 kg/m²h^{0.5}

Temperature Resistance: (30°C)-(+80°C)

Hazardous Substances: See SDS.

Reaction to Fire: A1

Coarse Repair Mortar



PETEK-FIX 405 - RUDE- WHITE

DEFINITION: It is a polymer-reinforced, cement-based surface repair mortar.

APPLICATION AREAS: Suitable for use in restoration work on buildings, providing a smooth surface before painting, ceramic tiles, and insulation; filling fissures on surfaces such as exposed concrete, prefabricated concrete, aerated concrete, concrete blocks, and bricks; and for repairing and plastering damaged, eroded, cracked, or broken surfaces up to 5-30 mm.

ADVANTAGES: It has high adhesion strength. It creates a smooth and solid surface. It is resistant to freeze-thaw cycles. It can be applied in thicknesses ranging from 5-30 mm. Easy to apply.

SURFACE PREPARATION: Ensure that the surface is dry, clean, and solid. The surface to be applied should be free from dust, dirt, form oil, slag, paint, and other residues. Weak surfaces, such as cracked plaster and loose materials, should be scraped off, including any cement or mortar layers that lack sufficient strength.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of **Petek Fix 405** into 4-5 liters of water and mix until a homogeneous mixture is obtained. The mixing should be done using a low-speed mixer. No additional admixtures not specified in the application instructions should be added. Allow the prepared mortar to rest for 5-10 minutes to mature. Before starting the application, mix it again for 1-2 minutes. The mortar should be applied with a steel trowel, pressing it into damaged, cracked, or broken areas, and should be left with a uniform thickness not exceeding 30 mm. If the surface is damp, it should be finished with a sponge.

WARNINGS AND RECOMMENDATIONS: After application, the surface should be moistened periodically for 24 hours. The prepared mortar should be used within 60 minutes. High temperatures, low humidity, and windy conditions may reduce this time. Mortar that has exceeded its working time or has formed a crust should be discarded. After application, hands and tools should be washed with plenty of water. The specified consumption amount is for general information purposes only and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling its dust and prevent contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry and moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Appearance:

White Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment.

Application I formation

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.25-5.25 liters of water

Pot Life:

1 hour

Application Thickness:

1-10 mm (in a single layer)

Consumption:

1,40 kg/m² (for 1 mm thickness)

CE

PETEK -KİMYAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TSEN1504 -3Standards

Public Works Position No: 10.300.2071

Compressive Strength:> 15.0 N/mm² (28days)

Flexural Strength: ≥ 4.0N/mm²

Adhesion to Concrete:> 1.0N/mm²

Restrained Shrinkage/Expansion:> 0.8N/mm²

Capillary Water Absorption:< 0.5 kg/m²h0.5

Temperature Resistance: (30°C)-(+80°C)

Hazardous Substances: See SDS.

Reaction to Fire: A1

Coarse Repair Mortar

Technical Applications



PETEK PREPAR 505 - THIN - GREY

DEFINITION: Cement-based, ready-to-use fine plaster applied by hand on coarse plaster for both exterior and interior facades.

APPLICATION AREAS: Used as a fine plaster over cement-based coarse plaster on both interior and exterior surfaces of buildings.

ADVANTAGES: Provides standard results in plaster applications. Easy and quick application. Less labor and time.

SURFACE PREPARATION: The application surface must be clean, free from dust and grease, and solid. Cracks and holes should be repaired before application. The surface must be moistened before application and thoroughly saturated with water in very hot or windy conditions. After application, the surface should be periodically weeded in high temperatures.

APPLICATION INSTRUCTIONS: Add the recommended amount of water to a bag of **Petek Prepar 505** and mix using a plastering machine or electric mixer. The prepared mortar should be applied using a spraying machine for machine applications or a trowel for hand applications. The surface should be leveled. The application thickness should be between 3 mm and 7 mm in a single layer. If the thickness exceeds 7 mm, a second layer should be applied after at least 1 day, up to a maximum of 7 mm. Once sufficiently hardened, finish the surface with a moist sponge. During the 7 days following application, the surface should be periodically watered depending on environmental conditions.

WARNINGS AND RECOMMENDATIONS: Do not apply directly to metal, wood, or wooden surfaces. Not suitable for surfaces with existing plaster defects thicker than 3 mm. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture. Do not add foreign materials. All tools used should be washed with water before the plaster dries. The performance values of the product are based on laboratory tests and are valid for the performance of finished applications after 28 days. Values may vary due to different site conditions. Do not apply to aerated concrete, metal, wood, or wooden surfaces. Not suitable for plaster surfaces. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry, moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Appearance:

Gray Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 5-6 liters of water

Application Thickness:

3-7 mm

Maximum Layer Thickness:

Max. 7 mm

Consumption:

1,50 kg/m² average for 1 mm plaster thickness

CE

PETEK-KİMYA PİYASALLARI İTH. İHR. SAN. TİC. LTD. Ş.
Topraktaş Mah. Topraktaş 6 Sk. S. S. Kund. Küç. San. Sit. B4
No: 2/SBağlar/Diyarbakır/Türkiye

24

In compliance With TSEN 9981- Standards

Public Works Position No: 10.330.3201

Fire Reaction Classification: A1

Dry Bulk Density: 1500+200kg/m³

Bond Strength: 0,48N/m²(Failure Mode): FP:B

Compressive Strength: 6,4N/m² CSIV

Capillary Water Absorption: WcO

Water Vapor Permeability Coefficient (μ): 25(μ < 30)

Thermal Conductivity: (λ10, dry[W/Mk]):

(P=%50) < 0,64W/m.K

System 4



PETEK PREPAR 505 - THIN - WHITE

DEFINITION: Cement-based, ready-to-use fine plaster applied by hand on coarse plaster for both exterior and interior facades.

APPLICATION AREAS: Used as a fine plaster over cement-based coarse plaster on both interior and exterior surfaces of buildings.

ADVANTAGES: Provides standard results in plaster applications. Easy and quick application. Saves labor and time.

SURFACE PREPARATION: The application surface must be clean, free from dust and grease, and solid. Cracks and holes should be repaired before application. The surface must be moistened before application and thoroughly saturated with water in very hot or windy conditions. After application, the surface should be periodically weeded in high temperatures.

APPLICATION INSTRUCTIONS: Add the recommended amount of water to a bag of **Petek Prepar 505** and mix using a plastering machine or electric mixer. The prepared mortar should be applied using a spraying machine for machine applications or a trowel for hand applications. The surface should be leveled. The application thickness should be between 3 mm and 7 mm in a single layer. If the thickness exceeds 7 mm, a second layer should be applied after at least 1 day, up to a maximum of 7 mm. Once sufficiently hardened, finish the surface with a moist sponge. During the 7 days following application, the surface should be periodically watered depending on environmental conditions.

WARNINGS AND RECOMMENDATIONS: Do not apply directly to metal, wood, or wooden surfaces. Not suitable for surfaces with existing plaster defects thicker than 3 mm. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture. Do not add foreign materials. All tools used should be washed with water before the plaster dries. The performance values of the product are based on laboratory tests and are valid for the performance of finished applications after 28 days. Values may vary due to different site conditions. Do not apply to aerated concrete, metal, wood, or wooden surfaces. Not suitable for plaster surfaces. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry, moisture-free environment. Unused bags should be tightly sealed.

Technical Specifications:

Appearance:

White Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 5-6 liters of water

Application Thickness:

3-7 mm

Maximum Layer Thickness:

Max. 7 mm

Consumption:

1,50 kg/m² average for 1 mm plaster thickness

CE

PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S.Kund. Küç. San. Sit. B4
No:2/S Bağlar/Diyarbakır/Türkiye

24

In compliance with TS EN 13888 -1 Standards

Public Works Position No: 10.300.2231

CG2A

Abrasion Resistance: < 1000 mm³

Flexural Strength > 2.5 N/mm²

Compressive Strength > 15 N/mm²

Shrinkage: < 3 mm/m

Water Absorption(30 min): ≤ 2 g

Water Absorption(240 min): ≤ 5 g

System 3

Technical Applications



PETEK PREPAR 506 - THICK - GREY

DEFINITION: Cement-based plaster for interior and exterior use, applied by hand or machine.

APPLICATION AREAS: Used as a base plaster on both interior and exterior surfaces of buildings.

ADVANTAGES: Easy and quick to apply. Provides high adhesion and durability. Suitable for machine application.

SURFACE PREPARATION: The application surface must be clean, free from dust and grease, and solid. Cracks and holes should be repaired before application. The surface must be moistened before application, and in every hot or windy conditions, it should be thoroughly saturated with water. For smooth surfaces, concrete walls and ceilings, or highly absorbent surfaces, a scratch coat should be applied at least 3 days prior to application.

APPLICATION INSTRUCTIONS: Add the specified amount of water to a bag of **Petek Prepar 506** and mix using a plastering machine or electric mixer. The prepared mortar should be applied by spraying for machine applications or with a trowel for hand applications. Level the surface. The application thickness should be between 10 mm and 25 mm in a single layer. If the thickness exceeds 25 mm, a second layer should be applied after at least 1 day, up to a maximum thickness of 25 mm. Once the plaster has reached the right consistency, proceed with finishing. During the 7 days following application, the surface should be periodically moistened depending on environmental conditions to ensure durability.

WARNINGS AND RECOMMENDATIONS: Do not apply directly to metal, wood, or wooden surfaces. Not suitable for surfaces with existing plaster defects thicker than 3 mm. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture. Do not add foreign materials. All tools used should be washed with water before the plaster dries. The performance values of the product are based on laboratory tests and are valid for the performance of finished applications after 28 days. Values may vary due to different site conditions. Do not add any foreign materials to the mortar. The mortar should be thoroughly mixed until a homogeneous consistency is achieved before application. Wash all tools used with water before they dry.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry, moisture-free environment. Unused bags should be tightly sealed.

Technical Specification:

Appearance:

Gray Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 6-7 liters of water

Application Thickness:

10-50 mm

Maximum Layer Thickness:

Max. 25 mm

Consumption:

13-17 kg/m² average for 1 cm plaster thickness

CE

PETEK-KİMYA PİYASALLARI İTH. İHR. SAN. TİC. LTD. Ş
Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4
No: 2/SBağlar/Diyarbakır/Türkiye

24

In compliance With TSEN 9981-Standards

Public Works Position No: 10.330.3201

Fire Reaction Classification: A1

Dry Bulk Density: 1500+200kg/m³

Bond Strength: 0,48N/m² (Failure Mode): FP:B

Compressive Strength: 6,4N/m² CSIV

Capillary Water Absorption: WcO

Water Vapor Permeability Coefficient (μ): 25 (μ < 30)

Thermal Conductivity: (λ10, dry [W/Mk]):

(P=%50) < 0,64W/m.K

System4



PETEK PREPAR 506 - THICK - WHITE

DEFINITION: Cement-based plaster for interior and exterior use, applied by hand or machine.

APPLICATION AREAS: Used as a base plaster on both interior and exterior surfaces of buildings.

ADVANTAGES: Easy and quick to apply. Provides high adhesion and durability. Suitable for machine application.

SURFACE PREPARATION: The application surface must be clean, free from dust and grease, and solid. Cracks and holes should be repaired before application. The surface must be moistened before application, and in very hot or windy conditions, it should be thoroughly saturated with water. For smooth surfaces, concrete walls and ceilings, or highly absorbent surfaces, a scratch coat should be applied at least 3 days prior to application.

APPLICATION INSTRUCTIONS: Add the specified amount of water to a bag of **Petek Prepar 506** and mix using a plastering machine or electric mixer. The prepared mortar should be applied by spraying for machine applications or with a trowel for hand applications. Level the surface. The application thickness should be between 10 mm and 25 mm in a single layer. If the thickness exceeds 25 mm, a second layer should be applied after at least 1 day, up to a maximum thickness of 25 mm. Once the plaster has reached the right consistency, proceed with finishing. During the 7 days following application, the surface should be periodically moistened depending on environmental conditions to ensure durability.

WARNINGS AND RECOMMENDATIONS: Do not apply directly to metal, wood, or wooden surfaces. Not suitable for surfaces with existing plaster defects thicker than 3 mm. Should not be applied to old painted surfaces, pre-colored plaster, or exterior coatings that may be exposed to continuous moisture. Do not add foreign materials. All tools used should be washed with water before the plaster dries. The performance values of the product are based on laboratory tests and are valid for the performance of finished applications after 28 days. Values may vary due to different site conditions. Do not add any foreign materials to the mortar. The mortar should be thoroughly mixed until a homogeneous consistency is achieved before application. Wash all tools used with water before they dry.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. It has a shelf life of 1 year from the production date when stored in a dry, moisture-free environment. Unused bags should be tightly sealed.

Technical Specification:

Appearance:

White Powder

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 6-7 liters of water

Application Thickness:

10-50 mm

Maximum Layer Thickness:

Max. 25 mm

Consumption:

13-17 kg/m² average for 1 cm plaster thickness

CE

PETEK-KİMYAPIKİMYASALLARI İTH. İHR. SAN. TİC. LTD. Ş
Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4
No: 2/SBağlar/Diyarbakır/Türkiye

24

In compliance With TSEN 9981- Standards

Public Works Position No: 10.330.3201

Fire Reaction Classification: A1

Dry Bulk Density: 1500+200kg/m³

Bond Strength: 0,48N/m²(Failure Mode): FP:B

Compressive Strength: 6,4N/m² CSIV

Capillary Water Absorption: WcO

Water Vapor Permeability Coefficient (μ): 25 (μ < 30)

Thermal Conductivity: (λ10, dry [W/Mk]):

(P=%50) < 0,64W/m.K

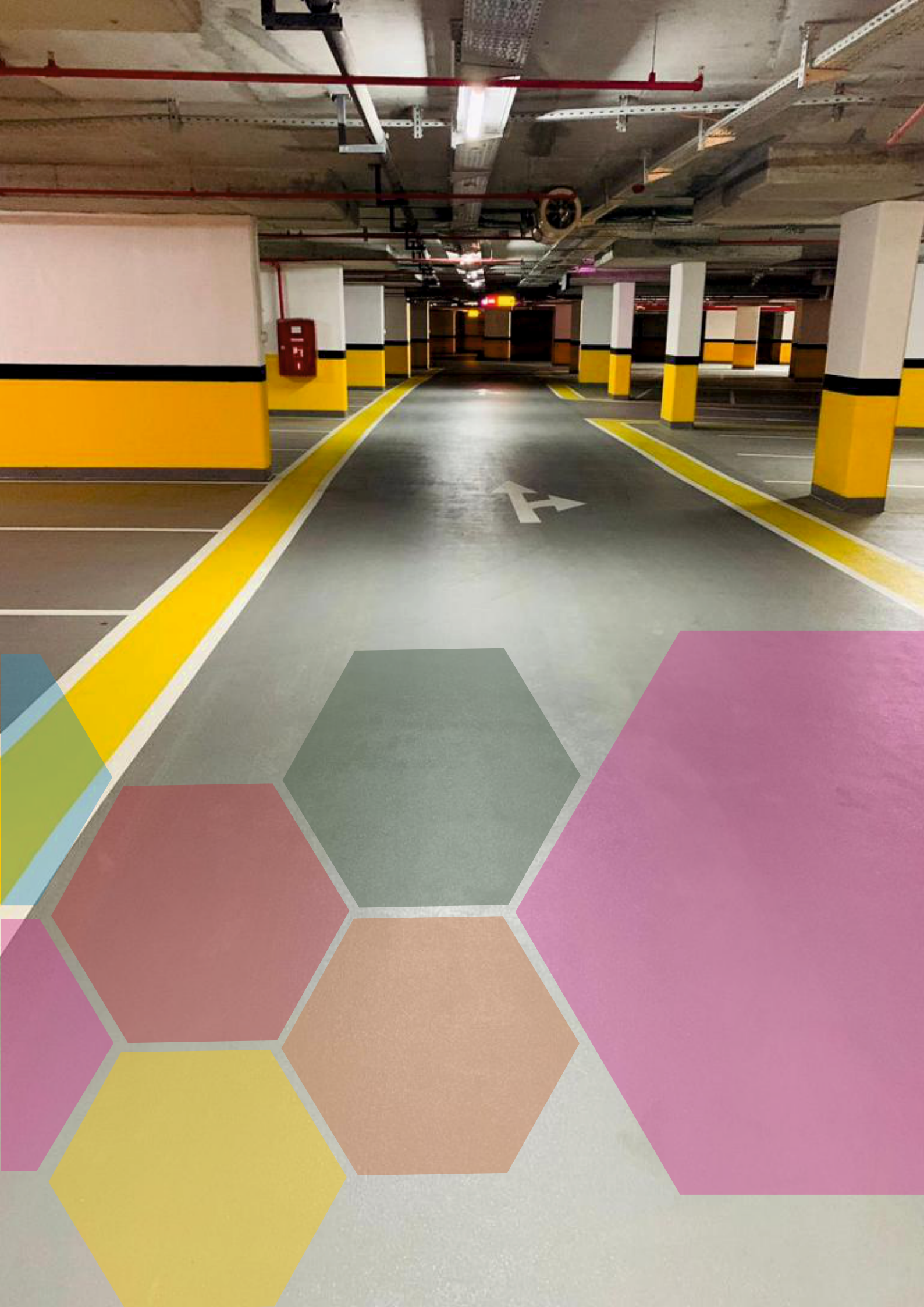
System4



PETEK-KiM
— OZ IRON —

For Durable and Aesthetic Constructions

Floor Applications



Floor Applications

PETEK GROUND FIX - GREY



DESCRIPTION: A cement-based, surface leveling screed containing chemical additives that ensures a non-porous structure and easy spreading.

APPLICATION AREAS: Used to achieve a smooth surface under PVC, linoleum, laminate-laminate parquet, wood, carpet, and ceramic coverings. It is also used to level concrete and screed surfaces. Provides a resistant surface to abrasion and dust in high pedestrian and load traffic areas such as warehouses and storage rooms.

ADVANTAGES: Self-leveling and balances out. Provides high adhesion strength. Suitable for application in thicknesses of 2.5-10 mm without shrinkage, cracking, or deterioration. Offers high bending and compressive strength. Resistant to abrasion.

SURFACE PREPARATION: The surface must be dry, clean, and solid. Remove residues that hinder adhesion such as dust, dirt, form oil, slag, and paint. Weak or cracked surfaces that cannot support themselves, as well as residues of mortar and cement, should be removed from the surface. Areas requiring repair, cracks, and voids should be filled and leveled with structural repair mortar products at least 1-2 hours before the screed application. To prevent cracking due to expansion during drying of **Petek Ground Fix**, a polystyrene foam board should be placed to separate the screed from walls or other structural elements. For large areas, to avoid level differences and ensure smooth application, t up a grid with a maximum size of 3x3 meters to determine application levels. Application thickness should be determined based on the surface smoothness and porosity. For areas with significant surface irregularities or large areas, using a screed master is important.

APPLICATION INSTRUCTIONS: Gradually add 4.75-5.25 liters of water to 25 kg of **Petek Ground Fix** and mix until a homogeneous mixture is achieved. The mixture should be prepared with a low-speed mixer. Do not add any additives not specified in the application instructions. Allow the prepared mortar to mature for 2-3 minutes. Pour the liquid **Petek Ground Fix** onto the surface and adjust the thickness with a steel trowel. Use a spiked roller to eliminate air bubbles and facilitate spreading.

WARNINGS AND RECOMMENDATIONS: The prepared mortar should be used within 20 minutes. High temperatures, low humidity, and wind can shorten this time. Do not add any unapproved additives. Do not use mortar that has expired or hardened. During application, protect the surface from wind and direct sunlight. **Petek Ground Fix** can be walked on 6 hours after application and can be covered with carpet, PVC, parquet, or ceramic materials 24 hours after application. Protect the screed from direct sunlight, excessive temperatures, and strong winds to prevent fine cracking. Clean hands and application tools with plenty of water after use. It is recommended that the application be performed by experienced professionals. Aforesaid consumption amount is for general information and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling dust and contact with skin and eyes.

PACKAGING AND SHELF LIFE: Packaged in 25 kg bags, with 64 bags per pallet (total 1600 kg). Shelf life is 1 year from the production date in dry and moisture-free conditions. The bags should be tightly sealed when not in use.

Technical Specifications:

Structural Component:

Cement

Appearance:

Gray-colored powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.75-5.25 liters of water

Pot Life:

20 minutes / Walkable after 8 hours

Time to Use:

24 hours (before adhesion)

48 hours (full use)

Consumption:

1,5-1,7 kg/m² (for 1 mm thickness)

CE

PETEK KİMYA PİYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4
No:2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TSEN 13318 Standards

Public Works Position No: 15.250.1001

Compression Strength: $\geq 20 \text{ N/m}^2$ (28 gün) C20 (TS EN 13813)

Flexural Strength: $> 4 \text{ N/m}^2$ (28 gün) - F4 (TS EN 13815)

Section Abrasion Resistance: $< 20 \text{ cm}^3/50 \text{ cm}^2$ A22 (TS EN 13813)

Temperature Resistance: (-30°C)-(+80°C)

Hazardous Substances: Refer to Safety Data Sheet

Fire Reaction: A1

Leveling Screed



PETEK GROUND FIX - WHITE

DESCRIPTION: A cement-based, surface leveling screed containing chemical additives that ensures a non-porous structure and easy spreading.

APPLICATION AREAS: Used to achieve a smooth surface under PVC, linoleum, laminate-laminate parquet, wood, carpet, and ceramic coverings. It is also used to level concrete and screed surfaces. Provides a resistant surface to abrasion and dust in high pedestrian and load traffic areas such as warehouses and storage rooms.

ADVANTAGES: Self-leveling and balances out. Provides high adhesion strength. Suitable for application in thicknesses of 2.5-10 mm without shrinkage, cracking, or deterioration. Offers high bending and compressive strength. Resistant to abrasion.

SURFACE PREPARATION: The surface must be dry, clean, and solid. Remove residues that hinder adhesion such as dust, dirt, form oil, slag, and paint. Weak or cracked surfaces that cannot support themselves, as well as residues of mortar and cement, should be removed from the surface. Areas requiring repair, cracks, and voids should be filled and leveled with structural repair mortar products at least 1-2 hours before the screed application. To prevent cracking due to expansion during drying of **Petek Ground Fix**, a polystyrene foam board should be placed to separate the screed from walls or other structural elements. For large areas, to avoid level differences and ensure smooth application, t up a grid with a maximum size of 3x3 meters to determine application levels. Application thickness should be determined based on the surface smoothness and porosity. For areas with significant surface irregularities or large areas, using a screed master is important.

APPLICATION INSTRUCTIONS: Gradually add 4.75-5.25 liters of water to 25 kg of **Petek Ground Fix** and mix until a homogeneous mixture is achieved. The mixture should be prepared with a low-speed mixer. Do not add any additives not specified in the application instructions. Allow the prepared mortar to mature for 2-3 minutes. Pour the liquid **Petek Ground Fix** onto the surface and adjust the thickness with a steel trowel. Use a spiked roller to eliminate air bubbles and facilitate spreading.

WARNINGS AND RECOMMENDATIONS: The prepared mortar should be used within 20 minutes. High temperatures, low humidity, and wind can shorten this time. Do not add any unapproved additives. Do not use mortar that has expired or hardened. During application, protect the surface from wind and direct sunlight. **Petek Ground Fix** can be walked on 6 hours after application and can be covered with carpet, PVC, parquet, or ceramic materials 24 hours after application. Protect the screed from direct sunlight, excessive temperatures, and strong winds to prevent fine cracking. Clean hands and application tools with plenty of water after use. It is recommended that the application be performed by experienced professionals. Aforesaid consumption amount is for general information and may vary depending on application conditions and surface characteristics. As it is cement-based, avoid inhaling dust and contact with skin and eyes.

PACKAGING AND SHELF LIFE: Packaged in 25 kg bags, with 64 bags per pallet (total 1600 kg). Shelf life is 1 year from the production date in dry and moisture-free conditions. The bags should be tightly sealed when not in use.

Technical Specifications:

Structural Component:

Cement

Appearance:

White-colored powder

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 4.75-5.25 liters of water

Pot Life:

20 minutes / Walkable after 8 hours

Time to Use:

24 hours (before adhesion)

48 hours (full use)

Consumption:

1,5-1,7 kg/m² (for 1 mm thickness)

CE

PETEK KİMYA PİKİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4
No: 2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TS EN 13318 Standards

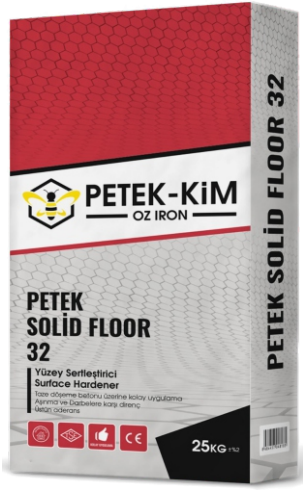
Public Works Position No: 15.250.1001

Compression Strength: $\geq 20 \text{ N/m}^2$ (28 gün) C20 (TS EN 13813)
Flexural Strength: $> 4 \text{ N/m}^2$ (28 gün) - F4 (TS EN 13815)
Section Abrasion Resistance: $< 20 \text{ cm}^3/50 \text{ cm}^2$ A22 (TS EN 13813)
Temperature Resistance: (-30°C)-(+80°C)
Hazardous Substances: Refer to Safety Data Sheet
Fire Reaction: A1

Leveling Screed

Floor Applications

PETEK SOLID FLOOR 32 - GREY (Quartz Aggregate)



DEFINITION: Cement-based quartz aggregate surface hardener, designed for medium load applications, applied in powder form on fresh concrete surfaces.

APPLICATION AREAS: Used in indoor and outdoor environments, industrial floors, hangars and workshops, garages and parking lots, warehouses, loading and unloading areas, and areas exposed to traffic from wheeled vehicles.

ADVANTAGES: Can be easily applied to fresh concrete. Provides a smooth and uniform surface. Prevents wear due to mechanical loads. Offers resistance to impacts. Delays surface dusting.

SURFACE PREPARATION: The quality of the supplied concrete should be consistent, and the entire surface must have uniform strength. The concrete must be fully compacted, with a minimum C25 (350 dosage, 25 N/mm² strength) and minimum water-cement ratio. The thickness of the concrete layer should be a minimum of 15 cm. Concrete with trapped air is not suitable for surface hardener application. The surface of the fresh concrete should be leveled with a wooden float.

APPLICATION INSTRUCTIONS: The concrete should be allowed to set until it is walkable. The depth of foot imprints should be 0.5-1.5 cm. Depending on conditions, allow the bleed water to evaporate from the surface. For mechanical applications, distribute 4-8 kg/m² of **Petek Solid Floor 32** evenly over the surface immediately after sprinkling. For manual applications, it is recommended to perform the sprinkling in two stages (2/3 of the total amount in the first stage and 1/3 in the second stage). Ensure an even distribution without creating clumps on the surface. Avoid sprinkling from more than 2 meters away. Allow the sprinkled material to absorb moisture from the concrete. Observe color changes to ensure adequate moisture levels. Finish with a low-speed mechanical trowel (helicopter). Do not add water to the surface hardener. Final corrections can be made manually or with a helicopter trowel. Loose or bleed water on the surface indicates that the concrete is still fresh. As soon as the concrete achieves the appropriate hardness level, perform preliminary corrections with a low-angle, low-speed metal blade trowel, followed by final corrections with a high-speed trowel.

WARNINGS AND RECOMMENDATIONS: Avoid application in environments with excessive air flow. Avoid using on concrete containing fly ash as it may reduce workability. Differences in water and cement content in the concrete can cause slight color variations. Protect from environmental effects and ensure clean application for color consistency and continuity. It is normal to observe color variations during the drying process. Proper timing and finishing techniques are essential. The application temperature should be between 5-35°C. High temperatures accelerate application, while low temperatures reduce application speed and time. Surface blooming may occur under relative humidity below 40%. Under relative humidity above 80%, sweating, slow curing, and hardening may occur. Slip-resistant surfaces can be achieved using chemical abrasion methods. Surface hardeners improve abrasion and impact resistance but do not affect concrete strength. Curing should be performed after **Petek Solid Floor 32** application. Clean all tools and equipment with water after use.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, with 64 bags per pallet (1600 kg total). Shelf life is 1 year from the production date when stored in a dry and moisture-free environment. Seal the packaging tightly if not in use.

Technical Specifications:

Structural Component:

Cement

Appearance-Color:

Gray Natural Powder

Shelf Life:

12 month in unopened packaging, in a dry environment

Consumption Rate:

4-8 kg/m²

Application Temperature Range:

(+5°C) - (35°C)

CE

PETEK-KİMYAPIKİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit. B4
No: 2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TSEN13813 Standards

Public Works Position No: 15.190.1002

Compression Strength: (7 days, EN196-1) 80 N/mm²

Abrasion Resistance: (28 gün-days TS699) < 2 cm³/50 cm²

QUARTZ AGGREGATE SURFACE HARDENER



PETEK-SOLID FLOOR 32 - RED (Quartz Aggregate)

DESCRIPTION: Cementitious quartz and specially selected aggregate mix containing dry shake, ready to use surface hardener exposed to medium wear.

FIELDS OF APPLICATION: Suitable for interior and exterior applications. Industrial building floors. Maintenance workshops and hangars. Garages and car parks. Storage areas. Loading areas. Areas exposed to the wheeled vehicle traffic.

ADVANTAGES: Easily applicable on fresh concrete. Provides an even and homogenous surface. Prevents abrasion due to mechanical wear. Provides resistance against impact. Delays dusting of the surface.

PREPARATION OF SUBSTRATES: The quality of the provided concrete should not vary, the strength should be uniform over the surface. The concrete floor should be totally compressed, have the class of min. C25 (dose of 350, 25 N/mm² and prepared with minimum water/cement ratio. The thickness of the applied concrete should be minimum 15 cm. The air entrained concrete is not convenient for surface hardener application. The fresh concrete surface to be applied should have been levelled with a wooden trowel.

APPLICATION: The concrete surface should reach a minimum bearing capacity. The footprint formation when walked over the surface should have a depth of 0,5-1,5 cm. Wait until the bleeding water should be evaporated from the surface due to conditions or mechanical applications; **Petek Solid Floor 32** should be spread evenly on the surface just immediately after it is applied to the surface with the automatic spreader with the amount of 4,8 kg/m² at once. Application in two steps is recommended for manual applications (2/3 of the total amount at first step, 1/3 of the total amount at the second step). Careful and homogenous scattering over the surface should be provided by preventing the variations. Scattering to the areas more than 2 m away distances is not recommended. Wait until the material scattered over the surface is moisturized enough by absorbing the water content of the concrete. The moisture level can be tracked by the colour change. The surface should be compacted by a low speed mechanical trowel. Water addition on the surface where the hardener applied is not allowed. Final finishing can be made manually or by mechanical trowel. Looseness or laitance on the surface indicates that concrete is still fresh. Unless the concrete reaches the minimum required hardening conditions, the surface should be compressed by low speed tray finishing and then final knife finishing should be made with high speed.

ATTENTION POINTS: Do not apply in high weather current conditions. Do not use on concrete surfaces with fly ash content due to its low workability. Water and cement content properties of the concrete may cause slight colour variances. Protection against environmental effects and clean application provides colour consistency. Colour shading during the drying process is natural. Correct timing and mowing techniques are obligatory. The surface and medium temperature should be within 5-35 °C low temperatures decrease and high temperatures increase the application speed. Efflorescence may occur at relative humidity conditions higher than 40% during curing and hardening may occur at relative humidity conditions higher than 80%. Anti-slip surfaces can be provided by chemical abrasion method. The impact and abrasion resistance of the surface increases by the surface hardener application, the mechanical strength of the concrete is not affected. Curing process is required after **Petek Solid Floor 32** application is recommended. Shelf life is valid for appropriate storage conditions without opening the bags. Tools and equipment used should be cleaned with water immediately after the application. The residues can be cleaned mechanically after hardening.

PACKAGING AND SHELF LIFE: 25 kg Kraft bag (64 bags in the pallet = 1600 kg.) 1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use. Package should be protected against frost.

Technical Specifications:

Structural Component:

Cement

Appearance-Color:

Red Natural Powder

Shelf Life:

12 month in unopened packaging, in a dry environment

Consumption Rate:

4-8 kg/m²

Application Temperature Range:

(+5°C) - (35°C)

CE

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24

Incompliance with TSEN13813 Standards

Public Works Position No: 15.190.1002

Compression Strength: (7 days, EN196-1) 80 N/mm²

Abrasion Resistance: (28 gün-days TS699) < 2 cm³/50 cm²

QUARTZ AGGREGATE SURFACE HARDENER

Floor Applications

PETEK SOLID FLOOR 32 - GREEN (Quartz Aggregate)



DEFINITION: Cement-based quartz aggregate surface hardener, designed for medium load applications, applied in powder form on fresh concrete surfaces.

APPLICATION AREAS: Used in indoor and outdoor environments, industrial floors, hangars and workshops, garages and parking lots, warehouses, loading and unloading areas, and areas exposed to traffic from wheeled vehicles.

ADVANTAGES: Can be easily applied to fresh concrete. Provides a smooth and uniform surface. Prevents wear due to mechanical loads. Offers resistance to impacts. Delays surface dusting.

SURFACE PREPARATION: The quality of the supplied concrete should be consistent, and the entire surface must have uniform strength. The concrete must be fully compacted, with a minimum C25 (350 dosage, 25 N/mm² strength) and minimum water-cement ratio. The thickness of the concrete layer should be a minimum of 15 cm. Concrete with trapped air is not suitable for surface hardener application. The surface of the fresh concrete should be leveled with a wooden float.

APPLICATION INSTRUCTIONS: The concrete should be allowed to set until it is walkable. The depth of foot imprints should be 0.5-1.5 cm. Depending on conditions, allow the bleed water to evaporate from the surface. For mechanical applications, distribute 4-8 kg/m² of **Petek Solid Floor 32** evenly over the surface immediately after sprinkling. For manual applications, it is recommended to perform the sprinkling in two stages (2/3 of the total amount in the first stage and 1/3 in the second stage). Ensure an even distribution without creating clumps on the surface. Avoid sprinkling from more than 2 meters away. Allow the sprinkled material to absorb moisture from the concrete. Observe color changes to ensure adequate moisture levels. Finish with a low-speed mechanical trowel (helicopter). Do not add water to the surface hardener. Final corrections can be made manually or with a helicopter trowel. Loose or bleed water on the surface indicates that the concrete is still fresh. As soon as the concrete achieves the appropriate hardness level, perform preliminary corrections with a low-angle, low-speed metal blade trowel, followed by final corrections with a high-speed trowel.

WARNINGS AND RECOMMENDATIONS: Avoid application in environments with excessive air flow. Avoid using on concrete containing fly ash as it may reduce workability. Differences in water and cement content in the concrete can cause slight color variations. Protect from environmental effects and ensure clean application for color consistency and continuity. It is normal to observe color variations during the drying process. Proper timing and finishing techniques are essential. The application temperature should be between 5-35°C. High temperatures accelerate application, while low temperatures reduce application speed and time. Surface blooming may occur under relative humidity below 40%. Under relative humidity above 80%, sweating, slow curing, and hardening may occur. Slip-resistant surfaces can be achieved using chemical abrasion methods. Surface hardeners improve abrasion and impact resistance but do not affect concrete strength. Curing should be performed after **Petek Solid Floor 32** application. Clean all tools and equipment with water after use.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, with 64 bags per pallet (1600 kg total). Shelf life is 1 year from the production date when stored in a dry and moisture-free environment. Seal the packaging tightly if not in use.

Technical Specifications:

Structural Component:

Cement

Appearance-Color:

Green Natural Powder

Shelf Life:

12 month in unopened packaging, in a dry environment

Consumption Rate:

4-8 kg/m²

Application Temperature Range:

(+5°C) - (35°C)

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No: 2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TSEN13813 Standards

Public Works Position No: 15.190.1002

Compression Strength: (7 days, EN196-1) 80N/mm²

Abrasion Resistance: (28 gün-days TS699) < 2 cm³/50 cm²

QUARTZ AGGREGATE SURFACE HARDENER



PETEK SOLID FLOOR 34 - GREY (Kround Aggregate)

DESCRIPTION: A cement-based quartz aggregate surface hardener, applied in powder form to fresh concrete surfaces exposed to moderate loads.

APPLICATION AREAS: Used in both indoor and outdoor environments, industrial facility floors, hangars and workshops, bgarages and parking lots, warehouses, loading and unloading areas, and areas exposed to traffic from rubber-tied vehicles.

ADVANTAGES: Easily applied to fresh concrete floors. Allows for a smooth and homogeneous surface. Prevents wear caused by mechanical loads. Provides resistance to impacts. Delays surface dusting.

SURFACE PREPARATION: The quality of the supplied concrete should be consistent, and the entire surface should have uniform strength. The concrete slab must be fully compacted, minimum C25 (350 dosage, 25 N/mm² grade, prepared with a minimum water-cement ratio). The thickness of the applied concrete must be at least 15 cm. Concrete with entrained air is not suitable for surface hardener application. The surface of the fresh concrete should be leveled with a wooden float. In large areas, to prevent level differences and ensure proper application, the application fields should be determined by creating a grid with a maximum size of 3x3m. The application thickness should be determined considering the smoothness and porosity of the surface. For areas with significant surface irregularities or large areas, using a screed is important.

APPLICATION INSTRUCTIONS: Wait until the supporting concrete is walkable. The depth of foot imprints should be 0.5-1.5 cm when walked on. Depending on conditions, the evaporation rate should be allowed to escape from the surface. In mechanical applications, immediately after spreading 4-8 kg/m² of **Petek Solid Floor 34** with an automatic seeder, the material should be evenly distributed on the surface. For manual applications, it is recommended to perform the spreading in two stages (with 2/3 of the total amount in the first stage and 1/3 in the second stage). Ensure a careful, homogeneous distribution without creating waves on the surface. Spreading should not be done from a distance greater than 2 m. The spread material should absorb the water from the concrete and become moist. Color change indicates that the moisture level is adequate. Finish with a low-speed mechanical trowel (helicopter). Do not add water to the surface that has been treated with a surface hardener. Final touches can be done manually or with a helicopter trowel. Loose or bleeding on the surface indicates that the concrete is still fresh. As soon as the concrete reaches the appropriate level of hardness, preliminary finishing should be done with a low-speed metal blade trowel at a minimum angle, and final finishing should be done at high speed.

WARNINGS AND RECOMMENDATIONS: Avoid application in environments with excessive airflow. Concrete containing fly ash has low workability and should not be used in such concrete floors. Characteristics such as water and cement content in concrete may cause slight color variations. Protecting from environmental effects and ensuring clean application will maintain color consistency and continuity. Color variations during the curing period are normal. Proper timing and troweling techniques are required. During application, the ambient and surface temperature should be between 5-35°C. High temperatures increase the application speed, while low temperatures decrease application time and speed. Relative humidity below 40%, efflorescence may occur on the surface. At relative humidity above 80%, sweating, slow curing, and hardening may occur. A slip-resistant surface can be achieved using chemical abrasion methods. Surface hardeners increase the wear and impact resistance of the applied surface but do not affect the concrete strength. Curing should be done after the **Petek Solid Floor 34** application. Tools and equipment used should be cleaned with water after application.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg, 1 year from the production date in dry and moisture-free environments. The packaging should be tightly sealed when not in use.

Technical Properties:

Structural Component:

Cement

Appearance- Colour:

Gray Natural Powder

Shelf Life: 12 months when stored in the original sealed packing in dry place.

Consumption:

4-8 kg/m²

Surface Temperature:

(+5°C) - (35°C)

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No: 2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TSEN13813 Standards

Public Works Position No: 15.190.1002

Compression Strength: (7 days, EN196-1) 80 N/mm²

Abrasion Resistance: (28 gün-days TS699) < 2 cm³/50 cm²

QUARTZ AGGREGATE SURFACE HARDENER

Floor Applications



PETEK SOLID FLOOR 34 - GREEN (Kround Aggregate)

DESCRIPTION: A cement-based quartz aggregate surface hardener, applied in powder form to fresh concrete surfaces exposed to moderate loads.

APPLICATION AREAS: Used in both indoor and outdoor environments, industrial facility floors, hangars and workshops, bgarages and parking lots, warehouses, loading and unloading areas, and areas exposed to traffic from rubber-tied vehicles.

ADVANTAGES: Easily applied to fresh concrete floors. Allows for a smooth and homogeneous surface. Prevents wear caused by mechanical loads. Provides resistance to impacts. Delays surface dusting.

SURFACE PREPARATION: The quality of the supplied concrete should be consistent, and the entire surface should have uniform strength. The concrete slab must be fully compacted, minimum C25 (350 dosage, 25 N/mm² grade, prepared with a minimum water-cement ratio). The thickness of the applied concrete must be at least 15 cm. Concrete with entrained air is not suitable for surface hardener application. The surface of the fresh concrete should be leveled with a wooden float. In large areas, to prevent level differences and ensure proper application, the application itself should be determined by creating a grid with a maximum size of 3x3m. The application thickness should be determined considering the smoothness and porosity of the surface. For areas with significant surface irregularities or large areas, using a screed is important.

APPLICATION INSTRUCTIONS: Wait until the supporting concrete is walkable. The depth of foot imprints should be 0.5-1.5 cm when walked on. Depending on conditions, the evaporation water should be allowed to escape from the surface. In mechanical applications, immediately after spreading 4-8 kg/m² of **Petek Solid Floor 34** with an automatic seader, the material should be evenly distributed on the surface. For manual applications, it is recommended to perform the spreading in two stages (with 2/3 of the total amount in the first stage and 1/3 in the second stage). Ensure a careful, homogeneous distribution without creating waves on the surface. Spreading should not be done from a distance greater than 2 m. The spread material should absorb the water from the concrete and become moist. Color change indicates that the moisture level is adequate. Finish with a low-speed mechanical trowel (helicopter). Do not add water to the surface that has been treated with a surface hardener. Final touches can be done manually or with a helicopter trowel. Loose or bleeding on the surface indicates that the concrete is still fresh. As soon as the concrete reaches the appropriate level of hardness, preliminary finishing should be done with a low-speed metal blade trowel at a minimum angle, and final finishing should be done at high speed.

WARNINGS AND RECOMMENDATIONS: Avoid application in environments with excessive airflow. Concrete containing fly ash has low workability and should not be used in such concrete floors. Characteristics such as water and cement content in concrete may cause slight color variations. Protecting from environmental effects and ensuring clean application will maintain color consistency and continuity. Color variations during the curing period are normal. Proper timing and troweling techniques are required. During application, the ambient and surface temperature should be between 5-35°C. High temperatures increase the application speed, while low temperatures decrease application time and speed. At relative humidity below 40%, efflorescence may occur on the surface. At relative humidity above 80%, sweating, slow curing, and hardening may occur. A slip-resistant surface can be achieved using chemical abrasion methods. Surface hardeners increase the wear and impact resistance of the applied surface but do not affect the concrete strength. Curing should be done after the **Petek Solid Floor 34** application. Tools and equipment used should be cleaned with water after application.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg, 1 year from the production date in dry and moisture-free environments. The packaging should be tightly sealed when not in use.

Technical Properties:

Structural Component:

Cement

Appearance- Colour:

Green Natural Powder

Shelf Life: 12 months when stored in the original sealed packing in dry place.

Consumption:

4-8 kg/m²

Surface Temperature:

(+5°C) - (35°C)

CE

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No: 2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TS EN 13813 Standards

Public Works Position No: 15.190.1002

Compression Strength: (7 days, EN 196-1) 80 N/mm²

Abrasion Resistance: (28 gün-days TS 699) < 2 cm³/50 cm²

QUARTZ AGGREGATE SURFACE HARDENER



PETEK SOLID FLOOR 34 - RED (Kround Aggregate)

DESCRIPTION: A cement-based quartz aggregate surface hardener, applied in powder form to fresh concrete surfaces exposed to moderate loads.

APPLICATION AREAS: Used in both indoor and outdoor environments, industrial facility floors, hangars and workshops, bgarages and parking lots, warehouses, loading and unloading areas, and areas exposed to traffic from rubber-tied vehicles.

ADVANTAGES: Easily applied to fresh concrete floors. Allows for a smooth and homogeneous surface. Prevents wear caused by mechanical loads. Provides resistance to impacts. Delays surface dusting.

SURFACE PREPARATION: The quality of the supplied concrete should be consistent, and the entire surface should have uniform strength. The concrete slab must be fully compacted, minimum C25 (350 dosage, 25 N/mm² grade, prepared with a minimum water-cement ratio). The thickness of the applied concrete must be at least 15 cm. Concrete with entrained air is not suitable for surface hardener application. The surface of the fresh concrete should be leveled with a wooden float. In large areas, to prevent level differences and ensure proper application, the application fields should be determined by creating a grid with a maximum size of 3x3m. The application thickness should be determined considering the smoothness and porosity of the surface. For areas with significant surface irregularities or large areas, using a screed is important.

APPLICATION INSTRUCTIONS: Wait until the supporting concrete is walkable. The depth of foot imprints should be 0.5-1.5 cm when walked on. Depending on conditions, the evaporation rate should be allowed to escape from the surface. In mechanical applications, immediately after spreading 4-8 kg/m² of **Petek Solid Floor 34** with an automatic seader, the material should be evenly distributed on the surface. For manual applications, it is recommended to perform the spreading in two stages (with 2/3 of the total amount in the first stage and 1/3 in the second stage). Ensure a careful, homogeneous distribution without creating waves on the surface. Spreading should not be done from a distance greater than 2 m. The spread material should absorb the water from the concrete and become moist. Color change indicates that the moisture level is adequate. Finish with a low-speed mechanical trowel (helicopter). Do not add water to the surface that has been treated with a surface hardener. Final touches can be done manually or with a helicopter trowel. Loose or bleeding on the surface indicates that the concrete is still fresh. As soon as the concrete reaches the appropriate level of hardness, preliminary finishing should be done with a low-speed metal blade trowel at a minimum angle, and final finishing should be done at high speed.

WARNINGS AND RECOMMENDATIONS: Avoid application in environments with excessive airflow. Concrete containing fly ash has low workability and should not be used in such concrete floors. Characteristics such as water and cement content in concrete may cause slight color variations. Protecting from environmental effects and ensuring clean application will maintain color consistency and continuity. Color variations during the curing period are normal. Proper timing and troweling techniques are required. During application, the ambient and surface temperature should be between 5-35°C. High temperatures increase the application speed, while low temperatures decrease application time and speed. Relative humidity below 40%, efflorescence may occur on the surface. At relative humidity above 80%, sweating, slow curing, and hardening may occur. A slip-resistant surface can be achieved using chemical abrasion methods. Surface hardeners increase the wear and impact resistance of the applied surface but do not affect the concrete strength. Curing should be done after the **Petek Solid Floor 34** application. Tools and equipment used should be cleaned with water after application.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg, 1 year from the production date in dry and moisture-free environments. The packaging should be tightly sealed when not in use.

Technical Properties:

Structural Component:

Cement

Appearance- Colour:

Red Natural Powder

Shelf Life: 12 months when stored in the original sealed packing in dry place.

Consumption:

4-8 kg/m²

Surface Temperature:

(+5°C) - (35°C)

CE

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No:2/SBağlar/Diyarbakır/Türkiye

24

Incompliance with TSEN13813 Standards

Public Works Position No: 15.190.1002

Compression Strength:(7 days, EN196-1) 80N/m²

Abrasion Resistance:(28 gün-days TS699) < 2cm³/50cm²

QUARTZ AGGREGATE SURFACE HARDENER



PETEK-KİM
— OZ IRON —

For Durable and Aesthetic Constructions

Thermal Insulation Applications



Floor Applications

PETEK DEKO-MİN 150

DESCRIPTION: A cement-based, finely textured decorative coating material.

APPLICATION AREAS: Used on external facade insulation systems, on surfaces with fine plaster and smooth coarse plaster.

ADVANTAGES: Provides easy application and spreading with rapid application capabilities. Allows for easy patterning. Durable against severe weather conditions due to its superior performance. Creates a natural and decorative texture on the surface with its special filler size. Breathable due to its vapor permeability, allowing buildings to "breathe" by expelling moisture that forms inside.

SURFACE PREPARATION: The surface to be applied must be completely clean of dirt, dust, and grease that could reduce adhesion; surfaces should be dry, clean, and sound, and free of frost or salt/lime efflorescence. Cracks on the surface should be filled with **Petek Fix 404** and the surface should be leveled. All water-related insulation measures for the building must be in place.



APPLICATION INSTRUCTIONS: Gradually add the recommended amount of water, as specified in the **Petek Deko-Min 150** technical data sheet, to the product and mix until there are no lumps. A low-speed mixer is recommended for mixing. Allow the mixture to mature for 5-10 minutes and remix before starting application. Apply the prepared plaster to the surface with a steel trowel to the desired thickness and use a plastic trowel to create a texture with circular motions. Use the prepared plaster within 2 hours. Do not use plaster that is past its usage time. Apply in one go to interconnected surfaces.

WARNINGS AND RECOMMENDATIONS: Ensure that the surface is fully cured by waiting at least 28 days before applying on new mineral surfaces. It should not be left as a final coating material on its own. The surface must be painted after it has dried. Do not add any additives that are not specified in the product's usage instructions on large surfaces and during work breaks, use paper tape or work with a sufficient amount of applicators to ensure that joints are not visible and apply the material while it is still wet to avoid seams. Application should not be done in very hot weather, direct sunlight, strong winds, fog, high humidity, or expected rain. Surfaces should be moistened before application if they are excessively hot. The product should be used within its shelf life. Do not use products that have exceeded their shelf life during application. The specified consumption rate is for general information and may vary depending on application conditions and surface characteristics.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a dry and moisture-free environment for up to 1 year from the production date. Seal the bags tightly when not in use.

Technical Specifications :

Structural Component:

Cement

Appearance:

White-colored powder

Complete Drying Time:

2-3 days

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg of powder with 6-7 liters of water

Pot Life:

2 hours

Consumption:

2,5 - 3 kg/m² (for 1,5 mm)

Particle Size:

Max. 1,5 mm (S4)

Performance Data :

Water Transfer Rate:

W2 < 0,1 kg/m².min (TS EN1062-3)

Compressive Strength:

> 3 N/mm² (TS EN 1015-11)

Flexural Strength:

> 1,5 N/mm² (TS EN 1015-11)

Impact Resistance :

> 3 joules (TS EN 13497)

Fire Reaction Class:

A1

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No:2/S Bağlar/Diyarbakır/Türkiye
24
Public Works Position No: 04.476/A
TS 7847

DRY FILM THICKNESS:

CLASS E5

GRANULE SIZE:

CLASS S4

WATER VAPOR TRANSMISSION RATE:

CLASS VO

WATER TRANSMISSION RATE:

CLASS W1

CRACK COVERING PROPERTY:

CLASS AO

CARBON DIOXIDE PERMEABILITY:

CLASS CO

Mineral Coating
System 4



PETEK DEKO-MAX 200

DESCRIPTION: Cement based, coarse textured decorative exterior coating material.

FIELDS OF APPLICATION: Used on well plastered surfaces of exterior coating systems.

ADVANTAGES: Provides quick application by being easily applied. Easy to give texture. Resilient to extreme climatic conditions with its superior performance. Forms a natural and decorative textured surface with its characteristic filling. High water vapour permeability allowing the building to breathe. Allows the building to breathe thanks to its moisture removal ability.

PREPARATION OF SUBSTRATES: The substrate must be cleaned from dust, dirt, oil, old blistered coatings that may prevent good adhesion. The surface should be clean and dry. Sand glossy and or solvent based painted surface to improve adhesion and remove the occurring powder. Use **Petek Fix 404** in case of uneven substrates to get sound and flat surface.

APPLICATION: **Petek Deko-Max 200** on the amount of clean water specified in the technical table slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Allow to stand for 5-10 minutes to mature. After remixing the paste is ready for application. Apply **Petek Deko-Max 200** evenly to the surface by means of a stainless steel trowel as far as the required filling span. Apply a plastic trowel in circular movements to again texture. Consume the prepared mortar within 2 hours. Dispose of the mortar which has exceeded its pot life. Finish all surfaces adjoining surfaces in a single application.

ATTENTION POINTS: New mineral substrates must be cured at least 28 days before application. Do not leave **Petek Deko-Max 200** as final coat. Must be painted after drying. Do not add any additives, except the ones stated in the product application instructions. Do not apply in extremely hot weather, under glaring sun, during strong wind, fog, high relative humidity, imminent rain or frost. Hot surfaces should be dampened before application. In order to avoid overlapping large areas or after work pauses, masking tape, should be used or an adequate number of application should be employed to apply the plaster wet-on-wet without interruptions. Should be used within shelf life. If shelf life has expired, it should not be used during application. The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.

PACKAGING AND SHELF LIFE: 25 kg Kraft bag (64 bags in the pallet = 1600 kg.) 1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use. Package should be protected against frost.

Technical Properties:

Structural Component:

Cement

Appearance:

White Powder

Full Drying Time:

2-3 Day

Shelf Life:

12 months when stored in the original sealed packing in dry place.

Application Data

Application Temperature Range:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg 6-7 lt water

Pot Life:

2 hours

Consumption:

2,0 – 2,5 kg/m²

Grain Size:

Max. 2,0 mm (S3)

Performance Data

Water Transfer Rate:

W2 ≤ 0,1 kg/m².min (TS EN1062-3)

Compressive Strength:

≥ 3 N/mm² (TS EN 1015-11)

Flexural Strength:

≥ 1,5 N/mm² (TS EN 1015-11)

Impact Strength:

≥ 3 joule (TS EN 13497)

Fire Reaction Class:

A1

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PETEK-KİM YAPI KİMYASALLARI İTH. İHR. SAN. TİC. LTD. ŞTİ
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No:2/S Bağlar/Diyarbakır/Türkiye
24
Public Works Position No: 04.476/A
TS 7847

DRY FILM THICKNESS:	CLASS E5
GRANULE SIZE:	CLASS S4
WATER VAPOR TRANSMISSION RATE:	CLASS V0
WATER TRANSMISSION RATE:	CLASS W1
CRACK COVERING PROPERTY:	CLASS AO
CARBON DIOXIDE PERMEABILITY:	CLASS CO

Mineral Coating
System 4

Floor Applications

PETEK DEKO-MİN LINE



DESCRIPTION: A cement-based, line-patterned decorative coating material.

APPLICATION AREAS: Used in external facade insulation systems on surfaces with fine plaster and smooth coarse plaster.

ADVANTAGES: Provides easy application and spreading with a quick application capability. Allows for easy patterning. Durable against harsh weather conditions due to its superior performance. Creates a natural and decorative texture on the surface with its special filler size. Breathable due to its vapor permeability, allowing buildings to "breathe" by expelling moisture that forms inside.

SURFACE PREPARATION: The surface to be applied must be completely clean of dirt, dust, and grease that could reduce adhesion; surfaces should be dry, clean, and sound, and free of frost or salt/lime efflorescence. Cracks on the surface should be filled with **Petek Fix 404** and the surface should be leveled. All water-related insulation measures for the building must be in place.

APPLICATION INSTRUCTIONS: Gradually add the recommended amount of water, as specified in the **Petek Deko-Min Line** technical data sheet, to the product and mix until there are no lumps. A low-speed mixer is recommended for mixing. Allow the mixture to mature for 5-10 minutes and remix before starting application. Apply the prepared plaster to the surface with a steel trowel to the desired thickness and use a plastic towel to create a texture with circular motions. Use the prepared plaster within 2 hours. Do not use plaster that is past its usage time. Apply in one go to interconnected surfaces.

WARNINGS AND RECOMMENDATIONS: Ensure that the surface is fully cured by waiting at least 28 days before applying on new mineral surfaces. It should not be left as a final coating material on its own. The surface must be painted after it has dried. Do not add any additives that are not specified in the product's usage instructions or large surfaces and during work breaks, use paper tape or work with a sufficient number of applicators to ensure that joints are not visible and apply the material while still wet to avoid seams. Application should not be done in very hot weather, direct sunlight, strong winds, fog, high humidity, or expected rain. Surfaces should be moistened before application if they are excessively hot. The product should be used within its shelf life. Do not use products that have exceeded their shelf life during application. The specified consumption rate is for general information and may vary depending on application conditions and surface characteristics.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a dry and moisture-free environment for up to 1 year from the production date. Seal the bags tightly when not in use.

Technical Specifications:

Structural Components:

Cement

Appearance:

White-colored powder

Complete Drying Time:

2-3 days

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application I formation

Application temperature:

(+5°C)-(+35°C)

Mixing Rate:

25 kg with 6-7 liters of water

Pot Life:

2 hours

Consumption:

3,5 - 4 kg/m² for (3 mm)

Particle Size:

Max. 3 mm (S4)

Performance Data

Water Transfer Data:

W2 (< 0,1 kg/m²) (TS EN1062-3)

Water Vapor Transmission Rate :

V1 (High) (TS EN1062-1)

Impact Resistance:

>3 joules (TS EN 13497)

Flexural Strength:

> 1,5 N/mm² (TS EN 1015-11)

Compressive Strength :

> 3,0 N/mm² (TS EN 1015-11)

Fire Reaction Class:

A1 Non-combustible (TS EN 13501-1)

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Topraktaş Mah. Topraktaş 6 Sk. S.S. Kund. Küç. San. Sit.B4
No:2/S Bağlar/Diyarbakır/Türkiye

24
Public Works Position No: 04.476/A
TS 7847

DRY FILM THICKNESS:

GRANULE SIZE:

WATER VAPOR TRANSMISSION RATE:

WATER TRANSMISSION RATE:

CRACK COVERING PROPERTY:

CARBON DIOXIDE PERMEABILITY:

CLASS E5

CLASS S4

CLASS VO

CLASS W1

CLASS AO

CLASS CO

Mineral Coating
System 4



PETEK DEKO-MAX LINE

DESCRIPTION: Cement-based, decorative coating material with a thick line pattern.

APPLICATION AREAS: Used on exterior insulation systems, on surfaces with fine plaster and smooth coarse plaster.

ADVANTAGES: Provides a quick application due to its easy spreading and application properties. Allows for easy patterning. Durable against harsh climatic conditions due to its superior performance. Creates a natural and decorative texture on the surface with its special filler size. Breathable due to its vapor permeability, allowing buildings to "breathe" by expelling internal moisture.

SURFACE PREPARATION: The surface to be applied must be completely free of contaminants such as dirt, dust, and oil that could reduce adhesion; surfaces should be dry, clean, and sound, and should not be frozen or have salt/lime efflorescence. Cracks on the surface should be filled with **Petek Fix 404** and the surface should be smoothed. All water-related insulation measures for the building must be in place.

APPLICATION INSTRUCTIONS: Gradually add **Petek Deko-Max Line** to the recommended amount of water in the technical data sheet and mix until no lumps remain. It is recommended to use a low-speed mixer for mixing. Allow the mixture to mature for 5-10 minutes, then remix before application. Apply the prepared mixture to the surface with a steel trowel to the desired thickness and texture using a plastic towel with circular movements. Use the prepared mixture within 2 hours. Discard any mixture that has exceeded its working time. Apply in a single coat to interconnected surfaces.

WARNINGS AND RECOMMENDATIONS: Ensure that new mineral surfaces have cured for at least 28 days before application. The final layer is not left as the final building material. It must be painted after drying. Do not add and any adhesives not specified in the application instructions. On large surfaces and breaks in work, use paper tape to avoid visible seams or ensure that application is done in a continuous manner with sufficient applicators to avoid drying out. Do not apply in very hot weather, direct sunlight, strong wind, fog, high relative humidity, or expected rain. Pre-moisten excessively hot surfaces before application. Use the product within its shelf life. Do not use products that have exceeded their shelf life. The specified consumption amount is for general information purposes and may vary depending on application conditions and surface characteristics.

PACKAGING AND SHELF LIFE: 25 kg per bag, 64 bags per pallet = 1600 kg. Shelf life is 1 year from the production date when stored in a dry, moisture-free environment. The packaging should be tightly sealed if not used.

Technical Specifications:

Structural Component:

Cement

Appearance:

White-colored powder

Complete Drying Time:

2-3 days

Shelf Life:

12 months in unopened packaging, in a dry environment

Application I formation

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 5.5-7 liters of water

Pot Life:

2 hours

Consumption:

3,5 - 4 kg/m² (for 5 mm)

Particle Sie:

Max. 5 mm (S4)

Performance Information

Water Transfer Rate:

W2 (< 0,1 kg/m²) (TS EN1062-3)

Water Vapor Transfer Rate:

V1 (High) (TS EN1062-1)

Impact Resistance:

> 3 joules (TS EN 13497)

Flexural Strength:

>1,5 N/mm² (TS EN 1015-11)

Compressive Strength:

>3,0 N/mm² (TS EN 1015-11)

Fire Reaction Class:

A1 Non-combustible (TS EN 13501-1)

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No:2/S Bağlar/Diyarbakır/Türkiye
24
Public Works Position No: 04.476/A
TS 7847

DRY FILM THICKNESS:	CLASS E5
GRANULE SIZE:	CLASS S4
WATER VAPOR TRANSMISSION RATE:	CLASS VO
WATER TRANSMISSION RATE:	CLASS W1
CRACK COVERING PROPERTY:	CLASS AO
CARBON DIOXIDE PERMEABILITY:	CLASS CO

Mineral Coating
System 4

Adhesives

PETEK SİSTEM YP - GREY



DESCRIPTION: Cement-based adhesive mortar for thermal insulation boards.

APPLICATION AREAS: Used for bonding XPS, EPS, and rock wool thermal insulation boards to both interior and exterior façades of all types of buildings.

ADVANTAGES: Specifically developed for thermal insulation systems, it has high adhesion strength. Provides ease of application with excellent workability and leveling capabilities. Offers a long working time.

SURFACE PREPARATION: Ensure the surface is dry, clean, and solid. Remove dust, dirt, form oil, slag, and paint residues that may impede adhesion from the application surface. Remove cracked plaster, weak surfaces, or non-supportive underlying layers. Repair any surface irregularities or cracks with **Petek Fix 404** before applying the adhesive.

APPLICATION INSTRUCTIONS: Gradually add 25 kg of powder adhesive to 6-6.5 liters of water, mixing until free of lumps. Allow the mixture to mature for 5-10 minutes, then remix before use. For surfaces with level differences, apply the adhesive continuously along all edges and in a dotted pattern in the center of the insulation board. Press the board firmly against the wall. For smooth surfaces, apply the adhesive to the back of the board using a notched trowel. Check that the boards are level using a screed or spirit level during the application process.

WARNINGS AND RECOMMENDATIONS: Use the prepared adhesive within 2 hours; do not use after the working time has expired. Mechanical anchoring should be performed at least 24 hours after application, depending on environmental temperature and surface conditions. The product should be used within its shelf life. Do not use expired products. The specified consumption amount is for general information and may vary based on application conditions and surface characteristics. Avoid inhaling dust, and avoid contact with skin and eyes. Refer to the safety data sheet for more detailed information.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a dry, moisture-free environment, and keep the packaging sealed when not in use. Shelf life is 1 year from the date of manufacture when stored properly.

Technical Specifications:

Structural Component:

Cement

Appearance:

Gray Powder

Full Drying Time:

2-3 Days (Fastening can be done 24 hours later).

Shelf Life:

12 months in unopened packaging, in a dry environment).

Shelf Life

12 months in unopened packaging, stored in a dry

Environment

Application Information

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg + 6-6.5 liters of water

Pot Life:

2 Hours

Consumption:

Eps=4-4,5 kg/m² Mineral Wool=5,5-6,5 kg/m²

Performance Data:

Adhesion to Substrate:

> 0,5 N/mm² (TS EN 1015-12)

Adhesion to EPS Board:

> 0,08 N/mm² (TS EN 13494)

Water Absorption

< 5 gr (30 dk.-min.) (TS EN 12808-5)

Flexural Strength:

> 2,0 N/mm² (TS EN 1015-11)

Compressive Strength:

> 6,0 N/mm² (TS EN 1015-11)

Fire Reaction Class:

A1 Non-combustible (TS EN 13501-1)

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No:2/S Bağlar/Diyarbakır/Türkiye

24
Public Works Pos. No: 10.330.2503
TS 13566

Reaction to Fire: A1

Cement Based Plaster -Thermal Insulation
Board Adhesive

PETEK SİSTEM YP - WHITE



DESCRIPTION: Cement-based adhesive mortar for thermal insulation boards.

APPLICATION AREAS: Used for bonding XPS, EPS, and rock wool thermal insulation boards to both interior and exterior façades of all types of buildings.

ADVANTAGES: Specifically developed for thermal insulation systems, it has high adhesion strength. Provides ease of application with excellent workability and leveling capabilities. Offers a long working time.

SURFACE PREPARATION: Ensure the surface is dry, clean, and solid. Remove dust, dirt, form oil, slag, and paint residues that may impede adhesion from the application surface. Remove cracked plaster, weak surfaces, or non-supportive underlying layers. Repair any surface irregularities or cracks with **Petek Fix 404** before applying the adhesive.

APPLICATION INSTRUCTIONS: Gradually add 25 kg of powder adhesive to 6-6.5 liters of water, mixing until free of lumps. Allow the mixture to mature for 5-10 minutes, then remix before use. For surfaces with level differences, apply the adhesive continuously along all edges and in a dotted pattern in the center of the insulation board. Press the board firmly against the wall. For smooth surfaces, apply the adhesive to the back of the board using a notched trowel. Check that the boards are level using a screed or spirit level during the application process.

WARNINGS AND RECOMMENDATIONS: Use the prepared adhesive within 2 hours; do not use after the working time has expired. Mechanical anchoring should be performed at least 24 hours after application, depending on environmental temperature and surface conditions. The product should be used within its shelf life. Do not use expired products. The specified consumption amount is for general information and may vary based on application conditions and surface characteristics. Avoid inhaling dust, and avoid contact with skin and eyes. Refer to the safety data sheet for more detailed information.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a dry, moisture-free environment, and keep the packaging sealed when not in use. Shelf life is 1 year from the date of manufacture when stored properly.

Technical Specifications:

Structural Component:

Cement

Appearance:

White Powder

Full Drying Time:

2-3 Days (Fastening can be done 24 hours later).

Shelf Life:

12 months in unopened packaging, in a dry environment).

Shelf Life

12 months in unopened packaging, stored in a dry

Environment

Application Information

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg + 6-6.5 liters of water

Pot Life:

2 Hours

Consumption:

Eps=4-4,5 kg/m² Mineral Wool=5,5-6,5 kg/m²

Performance Data:

Adhesion to Substrate:

> 0,5 N/mm² (TS EN 1015-12)

Adhesion to EPS Board:

> 0,08 N/mm² (TS EN 13494)

Water Absorption

< 5 gr (30 dk.-min.) (TS EN 12808-5)

Flexural Strength:

> 2,0 N/mm² (TS EN 1015-11)

Compressive Strength:

> 6,0 N/mm² (TS EN 1015-11)

Fire Reaction Class:

A1 Non-combustible (TS EN 13501-1)

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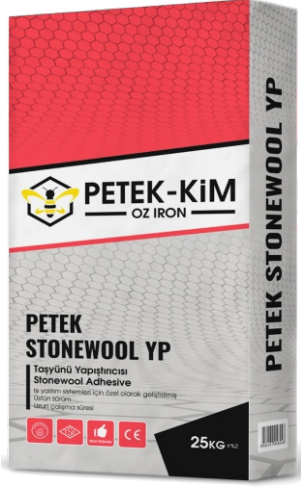
24
Public Works Pos. No: 10.330.2503
TS 13566

Reaction to Fire: A1

Cement Based Plaster -Thermal Insulation
Board Adhesive

Adhesives

PETEK STONE WOOL YP - GREY



DESCRIPTION: This is an adhesive mortar specially designed for stone wool insulation systems.

APPLICATION AREAS: Used for adhering XPS, EPS, and stone wool insulation boards on both the interior and exterior façades of all types of buildings.

ADVANTAGES: Developed specifically for insulation systems, it has high adhesion strength. It facilitates application with superior workability and grounding capability. Provides a long working time.

SURFACE PREPARATION: Ensure the surface is dry, clean, and solid. The surface to be applied should be free from dust, dirt, form oil, slag, and paint residues that could impede adhesion. Remove any cracked plasters, weak surfaces, or residues of mortar and cement from the surface. If there are irregularities or cracks on the surface to be applied, they should be repaired with **Petek Fix 404**.

APPLICATION INSTRUCTIONS: Slowly add 25 kg of powder mortar to 5-6 liters of water and mix until no lumps remain. Allow the mortar to mature for 5-10 minutes, then remix before application. If there are level differences on the surface, apply the mortar continuously along all edges on the back of the insulation board and in dots in the center, then press it onto the wall. If the surface is even, the adhesive mortar can be applied using a notched trowel on the back of the board. During the application, check the level of the boards using a leveling tool or a spirit level.

WARNINGS AND RECOMMENDATIONS: Use the prepared mortar within 2 hours; do not use after this period. Depending on ambient temperature and surface characteristics, mechanical anchoring should be done at least 24 hours after application. The product should be used within its shelf life. Do not use expired products during application. The specified consumption rate is for general information and may vary based on application conditions and surface characteristics. Since it is cement-based, avoid inhaling the dust and contact with skin and eyes. For more detailed information, refer to the safety data sheet.

PACKAGING AND SHELF LIFE: Packed in 25 kg bags, 64 bags per pallet = 1600 kg. In moisture-free and dry conditions, the shelf life is 1 year from the production date. If not in use, the packaging should be tightly sealed.

Technical Specifications:

Structural Component:

Cement

Appearance:

Gray Powder

Full Drying Time:

2-3 Days

Shelf Life:

12 months in unopened packaging and in a dry environment

Application Information:

Application Temperature:

(+5°C) - (+35°C)

Mixing Ratio:

25 kg 5-6 liters of water

Shelf Life:

2 hours

Consumption:

Stone wool 5,5-6 kg/m²

Performance Data:

Adhesion to Substrate:

> 0,05 N/mm²

Adhesion to Mineral Wool Board:

> 0,006 N/mm²

Adhesion to EPS Board:

> 0,08 N/mm²

Water Absorption:

< 5 gr (30 minutes-minimum)

Flexural Strength:

> 2,0 N/mm²

Compressive Strength:

> 6,0 N/mm²

Fire Reaction Class:

A1 Non-combustible

G

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No:2/S Bağlar/Diyarbakır/Türkiye

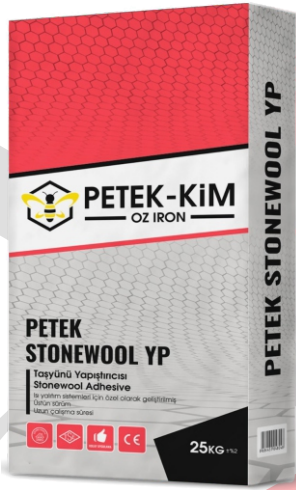
24

Public Works Position No:

10.330.2503 TS 13566

Fire Reaction: A1

Cement-Based Liquid Insulation
Mineral Wool Board Adhesive
Mortar



PETEK STONE WOOL YP - WHITE

DESCRIPTION: Adhesion mortar specially designed for stone wool thermal insulation system

FIELDS OF APPLICATION: Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

ADVANTAGES: Specially designed for thermal insulation systems and offers high adhesion strength. Easy-to-apply with its superior application and bonding properties. Extended open time.

PREPARATION OF SUBSTRATES: Substrates must be sound and cured. Remove any residue which may prevent adhesion. Cracked plasters mortar and cement residues must be scraped off the surface. Use **Petek Fix 404** in case of uneven substrates to get a sound and flat surface.

APPLICATION: Pour 25 kg of powder into 5-6 lt of water slowly and mix to obtain a homogenous mortar free from lumps. Allow the mortar to stand for 5-10 minutes to mature and remix it before the application. If there are level differences on the surface, apply mortar to the whole back-side edges of the board, apply in dots at the middle section and press to the wall. If the surface is even, you can apply adhesive mortar by raking method. Check the level of boards with a float or a water gauge.

ATTENTION POINTS: Consume the prepared mortar within 2 hours. Dispose of the mortar which has exceeded its pot life. Fix mechanically after 24 hours at minimum depending on the environment temperature and surface properties. **Petek Stonewool Yp** should be used within shelf life. Products which have completed their shelf life should not be used during application. The consumption values in the table refers to an average consumption amount. It may vary depending on the application conditions and surface properties. Since it contains cement, it irritates the eyes, respiratory system and skin. For further information refer to the safety data sheet.

PACKAGING AND SHELF LIFE: 25 kg Kraft bag (64 bags in the pallet = 1600 kg.) 1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use. Package should be protected against frost.

Technical Specifications:

Structural Component:

Cement

Appearance:

White Powder

Full Drying Time:

2-3 Days

Shelf Life:

12 months in unopened packaging and in a dry environment

Application I formaaation:

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg 5-6 liters of water

Shelf Life:

2 hours

Stone wool 5,5-6 kg/m²

Performance Data:

Adhesion to Substrate:

> 0,05 N/mm²

Adhesion to Mineral Wool Board:

> 0,006 N/mm²

Adhesion to EPS Board:

> 0,08 N/mm²

Water Absorption:

< 5 gr (30 minutes-minimum)

Flexural Strength:

> 2,0 N/mm²

Compressive Strength:

> 6,0 N/mm²

Fire Reaction Class:

A1 Non-combustible

G

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No:2/S Bağlar/Diyarbakır/Türkiye

24
Public Works Position No:
10.330.2503 TS 13566
Fire Reaction: A1

Cement Based Liquid Insulation
Mineral Wool Board Adhesive
Mortar

Adhesives

PETEK SİSTEM SV - GREY



DEFINITION: It is a cement-based plaster mortar for thermal insulation plater.

APPLICATION AREAS: It is used for plastering over XPS, EPS, and ROCK WOOL thermal insulation boards on the interior and exterior surfaces of all buildings.

ADVANTAGES: Specifically developed for thermal insulaationystems on both interior and exterior surfaces, it offers high flexibility and adhesion strength. It is resistant to weather conditions, ater, and impacts.

SURFACE PREPARATION: Ensure that the thermal insulation boards to be applied are properly and securely fixed, and that their surfaces are free from dust and clean. Care should be taken to ensure that there are no gaps between the thermal insulation boards.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of powder mortar into 6-6.5 liters of water and mix until a lumpfree consistency is achieved. Allow the mortar to mature by resting it or 5-10 minutes, then mix again before sttaring the applacation. Apply the mortar evenly onto the thermal insulation boards using a trowel. To achieve a uniform thickness, comb the first layer of plaster with a notched trowel having a 4x4 mm tooth thickness. Embed the plaster reinforcement mesh into the wet mortar by lightly pressing it in with the help of a steel trowel. Overlap the mesh by approximately 10 cm at the joints. Afer the first layer of plaster has lightly set, apply the second layer before it fully dries. Once the second layer is applied, smooth the surface with a steel trowel.

WARNINGS AND RECOMMENDATIONS: Use the prepared mortar within 2 hours. Discard any mortar that has exceeded its usage time. A er the plaster has fully dried, apply a breathable topcoat material. The product must be used within its shelf life. Do not use products that have exceeded their shelf life. The specified cconsumption amo t is for general informamation purposes. lty vary depending on application conditions and suace characterisistics. Being ce t-based, avoid inhaling the dust and avoid contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. The shelf life is 1 year from the production d te when stored in dry and moisture-free environmennts. Unused bags should be ti tly sealed to prevent exposure to air.

Technical Specificaations:

Structural Component:

Cement

Appearance:

Gray Powder

Full Curing Time:

2-3 Days

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application I formaation:

Application emperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 6-6.5 liters of water

Pot Life:

2 hours

Consumption:

Eps=4-4,5 kg/m² Rock Wool=5,5-6,5 kg/m²

Performance Information:

Adhesion Strength:

> 0,08 N/mm² (TS EN 13494)

Water Absorption:

< 0,05 kg/m² (TS EN 1015-18)

Impact Resistance :

>3 joule (TS EN 13497)

Reaction o Fire Class:

A1

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Sit. B4 No:2/S Bağlar/Diyarbakır/Türkiye 24

Public Works Position No: 10.330.2505 TS 13687

Reaction to Fire: A1

Thermal Conductısvıty: (λ10,dry[W/Mk]): 0,53 (P=%50)

Bulk Density of Hardened Cement-Based Plaster:

1300+300 kg/m³

Mortar Type: Hydraulic Binder Mortar

Cement-Based Plaster - Thermal Insulation Boar Plaster System 4



PETEK-SİSTEM SV - WHITE

DEFINITION: It is a cement-based plaster mortar for thermal insulation plaster.

APPLICATION AREAS: It is used for plastering over XPS, EPS, and ROCK WOOL thermal insulation boards on the interior and exterior surfaces of all buildings.

ADVANTAGES: Specifically developed for thermal insulation systems on both interior and exterior surfaces, it offers high flexibility and adhesion strength. It is resistant to weather conditions, water, and impacts.

SURFACE PREPARATION: Ensure that the thermal insulation boards to be applied are properly and securely fixed, and that their surfaces are free from dust and clean. Care should be taken to ensure that there are no gaps between the thermal insulation boards.

APPLICATION INSTRUCTIONS: Slowly pour 25 kg of powder mortar into 6-6.5 liters of water and mix until a lump-free consistency is achieved. Allow the mortar to mature by resting it for 5-10 minutes, then mix again before starting the application. Apply the mortar evenly onto the thermal insulation boards using a trowel. To achieve a uniform thickness, comb the first layer of plaster with a notched trowel having a 4x4 mm tooth thickness. Embed the plaster reinforcement mesh into the wet mortar by lightly pressing it in with the help of a steel trowel. Overlap the mesh by approximately 10 cm at the joints. After the first layer of plaster has lightly set, apply the second layer before it fully dries. Once the second layer is applied, smooth the surface with a steel trowel.

WARNINGS AND RECOMMENDATIONS: Use the prepared mortar within 2 hours. Discard any mortar that has exceeded its usage time. After the plaster has fully dried, apply a breathable topcoat material. The product must be used within its shelf life. Do not use products that have exceeded their shelf life. The specified consumption amount is for general information purposes. It may vary depending on application conditions and surface characteristics. Being cement-based, avoid inhaling the dust and avoid contact with skin and eyes.

PACKAGING AND SHELF LIFE: Available in 25 kg bags, 64 bags per pallet = 1600 kg. The shelf life is 1 year from the production date when stored in dry and moisture-free environments. Unused bags should be tightly sealed to prevent exposure to air.

Technical Specifications:

Structural Component:

Cement

Appearance:

White Powder

Full Curing Time:

2-3 Days

Shelf Life:

12 months in unopened packaging, stored in a dry environment

Application Information:

Application Temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg with 6-6.5 liters of water

Pot Life:

2 hours

Eps=4-4,5 kg/m² Rock Wool=5,5-6,5 kg/m²

Performance Information:

Adhesion Strength:

> 0,08 N/mm² (TS EN 13494)

Water Absorption:

< 0,05 kg/m² (TS EN 1015-18)

Impact Resistance :

>3 joule (TS EN 13497)

Reaction to Fire Class:

A1

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Sit. B4 No:2/S Bağlar/Diyarbakır/Türkiye 24

Public Works Position No: 10.330.2505 TS 13687

Reaction to Fire: A1

Thermal Conductivity: (λ10, dry[W/Mk]): 0,53 (P=%50)

Bulk Density of Hardened Cement-Based Plaster:

1300+300 kg/m³

Mortar Type: Hydraulic Binder Mortar Cement-Based Plaster - Thermal Insulation Board Plaster System 4

Adhesives



PETEK STONEWOOL SV - GREY

DESCRIPTION: This is a plaster mortar specifically designed for stone wool thermal insulation systems.

APPLICATION AREAS: It is used for plastering XPS, EPS, and STONEWOOL thermal insulation boards on both interior and exterior surfaces of buildings.

ADVANTAGES: Developed specifically for thermal insulation systems on both interior and exterior facades, it offers high flexibility and adhesion strength. It is resistant to weather conditions, water, and impact.

SURFACE PREPARATION: Ensure that the thermal insulation boards to be plastered are smooth and securely fixed, and that their surfaces are dust-free and clean. Make sure there are no gaps between the insulation boards.

APPLICATION INSTRUCTIONS: Gradually add 5.5-6.5 liters of water to 25 kg of powder mortar and mix until there are no lumps. Allow the mortar to mature for 5-10 minutes, then mix again before application. Apply the mortar evenly onto the insulation boards using a trowel. For a uniform thickness, initially use a 4x4 mm notched trowel to apply the first coat. Embed the mesh into the plaster using a steel trowel by lightly pressing it before the mortar dries. Overlap the mesh at the joints by approximately 10 cm. After the first coat has slightly dried, apply the second coat before it fully dries. Once the second coat is applied, smooth the surface with a steel trowel.

WARNINGS AND RECOMMENDATIONS: Use the prepared mortar within 2 hours; do not use expired mortar. After the plaster mortar has fully dried, apply a breathable final coating material. The product should be used within its shelf life. Do not use products that have expired during application. The specified consumption rate is for general information and may vary depending on application conditions and surface characteristics. Since it is cement-based, avoid inhaling the dust and prevent contact with skin and eyes.

PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a moisture-free and dry environment for up to 1 year from the production date. Seal the bags tightly when not in use.

Technical Specifications:

Structural Components:

Cement

Appearance:

Gray-colored Powder

Complete Drying Time:

2-3 days

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application I formation:

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg of powder with 5.5-6.5 liters of water

Pot Life:

30 minutes.

Consumption:

Rock Wool 5,5-6 kg/m²

Performance Data:

Adhesion to Rock Wool Boards:

> 0,006 N/mm²

Adhesion to EPS Boards:

> 0,08 N/mm²

Water Absorption:

< 0,05 kg/m²

Impact Resistance:

> 2 joule

Flexural Strength:

> 2,0 N/mm²

Compressive Strength:

> 6,0 N/mm²

Fire Reaction Class:

A1 Non-combustible

Water Vapor Permeability:

< 15

G

**PETEK-KİM YAPI KİMYASALLARI İTH.
İHR. SAN. TİC. LTD. ŞTİ**

Topraktaş Mah. Topraktaş 6 Sk. S.S.
Kund. Küç. San. Sit. B4 No:2/S
Bağlar/Diyarbakır/Türkiye

24

Public Works Position No: 10.330.2505
TS 13687

Cement-Based Plaster - Thermal Insulation
Rock Wool Board Plaster



PETEK STONEWOOL SV - WHITE

DESCRIPTION: This is a plaster mortar specifically designed for stone wool thermal insulation systems.

APPLICATION AREAS: It is used for plastering XPS, EPS, and STONEWOOL thermal insulation boards on both interior and exterior surfaces of buildings.

ADVANTAGES: Developed specifically for thermal insulation systems on both interior and exterior facades, it offers high flexibility and adhesion strength. It is resistant to weather conditions, water, and impact.

SURFACE PREPARATION: Ensure that the thermal insulation boards to be plastered are smooth and securely fixed, and that their surfaces are dust-free and clean. Make sure there are no gaps between the insulation boards.

APPLICATION INSTRUCTIONS: Gradually add 5.5-6.5 liters of water to 25 kg of powder mortar and mix until there are no lumps. Allow the mortar to mature for 5-10 minutes, then mix again before application. Apply the mortar evenly onto the insulation boards using a trowel. For a uniform thickness, initially use a 4x4 mm notched trowel to apply the first coat. Embed the mesh into the plaster using a steel trowel by lightly pressing it before the mortar dries. Overlap the mesh at the joints by approximately 10 cm. After the first coat has slightly dried, apply the second coat before it fully dries. Once the second coat is applied, smooth the surface with a steel trowel.

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PACKAGING AND SHELF LIFE: 25 kg bags, 64 bags per pallet = 1600 kg. Store in a moisture-free and dry environment for up to 1 year from the production date. Seal the bags tightly when not in use.

Technical Specifications:

Structural Components:

Cement

Appearance:

Gray-colored Powder

Complete Drying Time:

2-3 days

Shelf Life:

12 months in an unopened package, stored in a dry environment

Application I formaation:

Application temperature:

(+5°C)-(+35°C)

Mixing Ratio:

25 kg of powder with 5.5-6.5 liters of water

Pot Life:

30 minutes.

Consumption:

Rock Wool 5,5-6 kg/m²

Performance Data:

Adhesion to Rock Wool Boards:

> 0,006 N/mm²

Adhesion to EPS Boards:

> 0,08 N/mm²

Water Absorption:

< 0,05 kg/m²

Impact Resistance:

> 2 joule

Flexural Strength:

> 2,0 N/mm²

Compressive Strength:

> 6,0 N/mm²

Fire Reaction Class:

A1 Non-combustible

Water Vapor Permeability:

< 15

G

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Topraktaş Mah. Topraktaş 6 Sk. S.S.

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Bağlar/Diyarbakır/Türkiye

24

Public Works Position No: 10.330.2505

TS 13687

Cement-Based Plaster - Thermal Insulation
Rock Wool Board Plaster

Thermal Insulating Board

PETEK - THERM CARBON EPS

DESCRIPTION: Polystyrene-based, carbon-reinforced thermal insulation board.

APPLICATION AREAS: It is used to provide thermal insulation in the interior and exterior facades of buildings, roofs, terraces, basement floors, ceilings, and floor coverings.

ADVANTAGES: Graphite reflector EPS, due to the graphite additive it contains, gains the ability to absorb and reflect infrared rays, allowing a reduction in thermal conductivity and thus providing significant thermal insulation in the applied structures and surfaces throughout the year. The significant energy savings it provides contribute to both household economics and environmental and ecological balance. Thanks to its high vapor permeability, it breathes. It is a lightweight material.



APPLICATION: Petek Sistem YP should be applied around the insulation board, leaving a 5 mm gap at the edges. Three large pieces of Petek Sistem YP should be applied to the middle section as spot applications. Ensure that 40% of the insulation board is covered with adhesive. To avoid creating a conductive path, adhesive should not be carried over to the joints. Depending on weather conditions, the application of Petek Sistem SV can begin 2 days after the insulation boards are adhered. The boards should be installed from the bottom upwards, continuously and in a staggered pattern. At corners, boards coming from opposite directions should overlap each other. After the boards are adhered, any gaps should be filled with insulation spacers or Petek Therm Karbonlu EPS where necessary. Anchoring should begin only after the adhesive has fully dried (24 hours). Anchoring should be done in a way that does not create protrusions on the surface, with a minimum of 6 anchors per square meter. More anchors should be used at corners and window edges. After anchoring the entire surface, plaster application can begin. Corner profiles should be used in weak areas such as corners and window edges. Tools should be cleaned with water before the adhesive dries.

PACKAGING AND STORAGE: Packaging size: 500 mm x 1000 mm. Store in a cool, ventilated environment, away from flammable products such as solvents and thinners. It should not be exposed to direct sunlight and should not be placed near heat sources.

Technical Specifications

Thermal conductivity coefficient: 0,032 W/mK Density: 16 kg/m³

Compressive strength: 60 kPa

Flexural Strength: 100 kPa

Reaction to fire: Class E

Tensile strength perpendicular to surfaces: ≥ 100 kPa

Squareness tolerance: ± 2 mm

Flatness tolerance: ± 5 mm

Length tolerance: ± 2 mm

Width tolerance: ± 2 mm

Thickness tolerance: ± 1 mm

Long-term water absorption by partial immersion: $\leq 0,5$ kg/m²

TS EN: 13163





PETEK - THERM WHITE EPS

DESCRIPTION: Polystyrene-based, carbon-reinforced thermal insulation board.

APPLICATION AREAS: It is used to provide thermal insulation in the interior and exterior facades of buildings, roofs, terraces, basement floors, ceilings, and floor coverings.

ADVANTAGES: Graphite reflector EPS, due to the graphite it contains, gains the ability to absorb and reflect infrared rays, allowing a reduction in thermal conductivity and thus providing significant thermal insulation in the applied structures and surfaces throughout the year. The significant energy savings it provides contribute to both household economics and environmental and ecological balance. Thanks to its high vapor permeability, it breathes. It is a lightweight material.

APPLICATION: **Petek Sistem YP** should be applied around the insulation board, leaving a 5 mm gap at the edges. Three large pieces of **Petek Sistem YP** should be applied to the middle section as spot applications. Ensure that 40% of the insulation board is covered with adhesive. To avoid creating a conductive path, adhesive should not be carried over to the joints. Depending on weather conditions, the application of **Petek Sistem SV** can begin 2 days after the insulation boards are adhered. The boards should be installed from the bottom upwards, continuously and in a staggered pattern. At corners, boards coming from opposite directions should overlap each other. After the boards are adhered, any gaps should be filled with insulation spacers or **Petek Therm Karbonlu EPS** where necessary. Anchoring should begin only after the adhesive has fully dried (24 hours). Anchoring should be done in a way that does not create protrusions on the surface, with a minimum of 6 anchors per square meter. More anchors should be used at corners and window edges. After anchoring the entire surface, plaster application begins. Corner profiles should be used in weak areas such as corners and window edges. Tools should be cleaned with water before the adhesive dries.

PACKAGING AND STORAGE: Packaging size: 500 mm x 1000 mm. Store in a cool, ventilated environment, away from flammable products such as solvents and thinners. It should not be exposed to direct sunlight and should not be placed near heat sources.

Technical Specifications

Thermal conductivity coefficient: 0,032 W/mK Density: 16 kg/m³

Compressive strength: 60 kPa

Flexural Strength: 100 kPa

Reaction to fire: Class E

Tensile strength perpendicular to surfaces: ≥ 100 kPa

Squareness tolerance: ± 2 mm

Flatness tolerance: ± 5 mm

Length tolerance: ± 2 mm

Width tolerance: ± 2 mm

Thickness tolerance: ± 1 mm

Long-term water absorption by partial immersion: $\leq 0,5$ kg/m²

TS EN: 13163



HEAT INSULATION ACCESSORIES

Petek Corner Profile

Description

It is a PVC corner profile with mesh used to strengthen the weak areas most easily affected by external effects (edges, corners, etc.).

Areas of Use

Thermal Insulation Systems

Features

It is resistant to alkaline environment and corrosion. Thanks to its production with mesh, it provides integrity with the plaster by creating a strong adhesion between the first and second plasters.

Packaging

62.5 m

Petek Corner Profile

Description

It is a PVC corner profile with mesh used to strengthen the weak areas most easily affected by external effects (edges, corners, etc.).

Areas of Use

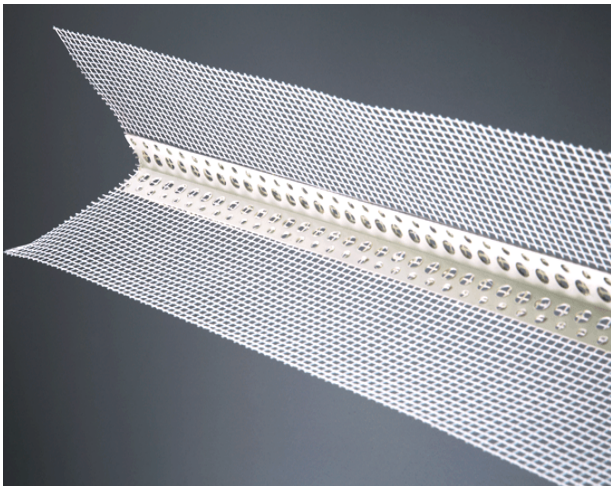
Thermal Insulation Systems

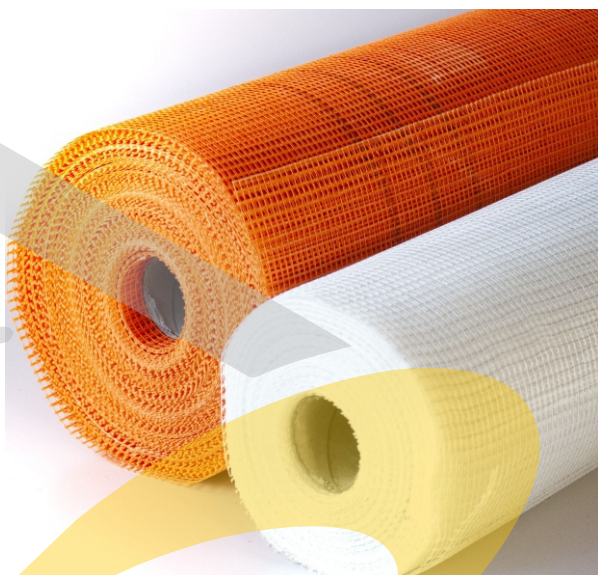
Features

It is resistant to alkaline environment and corrosion. Thanks to its production with mesh, it provides integrity with the plaster by creating a strong adhesion between the first and second plasters.

Packaging

62.5 m





Petek Reinforcement Net

Description

It is a fibreglass material impregnated with fib layers against alkali and chemicals.

Areas of Use

It is used to prevent cracking of the cladding plaster on the interior and exterior facades of buildings.

Packaging

30 rolls in 1 box

Features

Reaction to Fire: F

Hazardous substance content and/or release: NPD

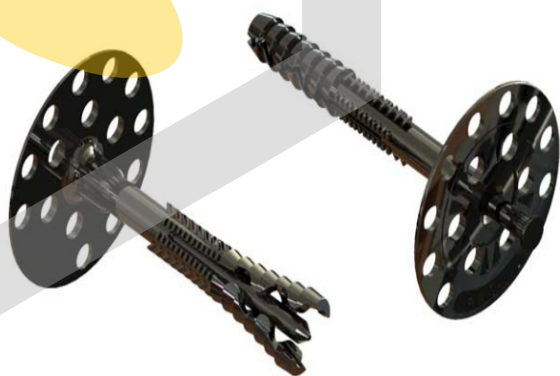
Mesh: (4x4) mm

Tensile and Elongation Strength: > 40 N/mm

Mass Per Unit: ≥ 160 g/m²

Roll Width: 1 m Roll

Length: 50 m



Petek Standard Dowel

Description

It is a standard mechanical connection element with plastic nails used to fix insulation boards to the facade.

Areas of Use

Thermal Insulation Systems

Features

100 mm, 120 mm, 140 mm, 160 mm.

Package

500 pieces

NOTES





Petek-Kim Yapı Kimyasalları İth. İdr. San. Tic. Ltd. Şti.

Topraktaş Mah. Topraktaş-6 Sk. S.S. Kund. Küç. San. Sit. B4 No: 2/S

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PETEK-KİM
— OZ IRON —

