



**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.

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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 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: $10 \text{ N/mm}^2$ (M10) Reaction to Fire Classification: A1
Gas Concrete Pumice Adhesive