

65

χρόνια

σεβασμό στον μάστορα

δομικά υλικά

construction materials

Technical specifications

Date: 9/11/2014

Edition: 3

Atlafix power GEL

Top-quality mineral adhesive in gel form. Excellent workability and maximum adhesion.



Description

Mineral gel adhesive that offers high-performance bonding, superior durability, and maximum adhesion. It has zero vertical slip and provides an extended open application time.

With specially designed rheological modifiers, it maintains the volume and thickness of the adhesive stable and fluid, allowing it to spread evenly across the tile, maximizing its adhesion to the substrate. At the same time, thanks to the carefully selected granulometry of the limestone sand it contains, it facilitates the craftsman's work, reducing effort and maximizing efficiency.

It contains substances with very low chemical emissions to ensure optimal indoor air quality during application, contributing to the physical and mental well-being of building occupants. It is environmentally friendly and classified as a C2TE-type tile adhesive according to the European standard EN 12004.

Application Fields

The fluid texture of Atlafix Power Gel allows for easy and uniform application, reducing the time and effort required for tile installation. It is ideal for bonding ceramic tiles, porcelain tiles, glass tiles, marble and natural stone, engineered marble, mosaics, large-format tiles, thermal and acoustic insulation panels, on floors and walls, facades, swimming pools and fountains, rooftops, balconies, and generally in any indoor or outdoor space.

It is suitable for application on substrates such as cement screeds, concrete, anhydrite mortars, cement and gypsum plasters, drywall, underfloor heating systems, cement boards, bricks, and acoustic floor sheets.

It is not recommended for use on wood, metal, plastic materials, flexible coverings, or any substrates subject to movement and vibrations, such as uncured screeds, plasters, or concrete affected by hydraulic shrinkage. It should also not be used on organic-based waterproofing materials. It is particularly recommended in applications where excellent adhesion, waterproofing, and top mechanical strength are non-negotiable.

Instructions for Use

All substrates must be level, matured, stable, durable, free of loose parts, standing water, or rising moisture.

Add 25 kg of Atlafix Power GEL to 7-8 liters of clean water while stirring. Continue mixing with an electric drill until a homogeneous paste-like mixture is formed. Let the mixture sit for about 10 minutes to "mature," then mix again.

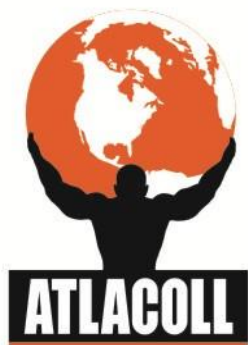
Apply the adhesive to the substrate and comb it with the notched side of the trowel to ensure even distribution across the entire surface. Place the tiles in the desired position and press them lightly to set them in place.

For applications requiring increased adhesion and flexibility, mix 25 kg of Atlafix Power Gel with 6-10 kg of Atlaplus Latex or Atlaplus Latex Max, diluted 1:1 to 1:5 with water (depending on the technical requirements of the application).

To balance absorbency on highly porous surfaces such as aerated concrete, cement boards, particle boards, drywall, etc., and to ensure better adhesion on difficult surfaces like mosaics or old tiles, prime with Altabond Quartz Primer, properly diluted.

Tile installation should be completed within 30 minutes after applying the adhesive (depending on ambient conditions such as temperature and humidity) and always before the adhesive forms a skin.

Additional water should not be added after the mixture has matured. Avoid applying the adhesive when the ambient and substrate temperature is below 5°C or above 35°C.



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Bulk Density: ~ 1.4 kg/L

Mixing Time: 10 min

Application Temperature: +5 °C to +35 °C

Open Time: τουλάχιστον 30 min

Temperature Resistance: -30 °C to +90 °C

Fire Reaction Class: E

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

**Adhesion Strength
After Heat Aging:** $\geq 1.0 \text{ N/mm}^2$

**Adhesion Strength
After Water Immersion:** $\geq 1.0 \text{ N/mm}^2$

**Adhesion Strength After
Freeze/Thaw Cycles:** $\geq 1.0 \text{ N/mm}^2$

Slip: $\leq 0.5 \text{ mm}$

Grouting

For floors:

At +23°C: 20 hours

At +5°C: 30 hours

For walls:

At +23°C: 10 hours

Consumption

1.5-4 kg/m², depending on the notch size of the trowel, the smoothness of the substrate, and the type and size of the tile.

Storage

12 months from the production date, if kept in sealed bags and stored in a dry environment, protected from moisture.

Packaging

White 25 kg.

Safety Instructions

Read the label before use. For detailed instructions and precautions, consult the product's Safety Data Sheet (SDS).
Poison Center Contact: +30 210 77 93 777..