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Date:

TDS
ValueChem Porcelain Tile
Adhesive

GHAFFARI
Ghaffari Chemical Industry

Product Description:

Powder flexible porcelain tile adhesive can be used for installing all ceramic tiles, marble, natural stones, glass mosaics, earthenware, porcelain, terracotta, etc

Applications :

- Indoor and outdoor use
- Wall and floors
- Swimming pools, pool surrounds, wet rooms and cold storage depots
- Balconies
- Terraces

Advantages :

- Can be used for all types of ceramic, stones and marbles
- Impermeable to water and resistant to temperature from -30 to + 80
- Non sag, no need for battens and spacers
- Flexible, compensates changes in temperature and elongation of the substrates
- Ease of use

Properties :

Mixing water	6- 7 liters per a 20 kilograms' bag
Color	Grey or white
Bulk density in 25 °C	1.3 kg/m ³
Pot Life	Over 2 hours
Application Temperature range	From +5°C to +40 °C
Open time (according to EN 1346)	Over 20 minutes
Adjustability time	Approx. 45 minutes
Ready for grouting on walls	After 4 – 6 hours
Ready for grouting on floors	After 24 hours
Set to light traffic	24 hours
Ready to use*	At least 14 days
Bonding Strength according to (N/mm ²) - Initial bonding in complete cure (after 28 days) - Bonding after freeze/thaw cycles - Bonding after immersion in water - Bonding after heat exposure	≥ 1.5 ≥ 1.5 ≥ 1.5 ≥ 1.5
Consumption: Based on trowel size ^a (N. 4 to 6)	2 kg/m ² to 5 kg/m ²

* Swimming pools and where supposed to direct contact to water can be used after 21 days

^a trowel size is based on tile size and application, for large and heavy load tiles higher thickness of paste should be applied.

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Instructions for Use:

1) Substrate preparation:

Tiles and substrate surface should be clean from dust, dirt and oil. In case of uneven substrate, adjust the substrate as level as possible by using GHAFFARI cementitious SLU (Self-Leveling Underlayment).

2) Mixing:

Based on the volume of the Tiling area, use mechanical or handy mixers. Mix ValuMax Porcelain adhesive until a smooth, lump-free paste is obtained. Leave the paste to rest for about 5 minutes and re-stir.

3) Spreading the paste:

Apply the paste to the substrate using a notched trowel (Spreading a thin layer of paste on the substrate will result in better adhesion). Apply the desired thickness based on type and size of tile to the substrate (in case of tiling swimming pools, floors subjected to heavy loads and substrate with high absorption capacity also apply the adhesive on the back of tiles to ensure complete coverage).

4) Instaling:

Place the tile firmly to ensure adequate contact with the adhesive applied on the substrate.

Packaging : 20 kgs Bag.

Storage and shelf – life:

12 months if stored product in unopened container in a dry location and room temperature.

Research & Development manager:

Signature: