

Polymer Modified All Purpose Tiles Adhesive

TILEFIX -AT a Polymer Modified Cement Based adhesive designed for Tiles from 3 mm to 10 mm. Suitable for all types of Ceramic, Vitrified, PVT, GVT, Marble, Granit. All types of stones. It sets to a hard durable and water-resistant finish, making it ideal for both interior and exterior applications.

Application

As well as all type of stones ideal for all types of Vitrified, Ceramic, PVT, GVT Tiles of any size as well as all types of stone. This product is water proof. Making it suitable for both internal and external applications including Kitchens, Bathroom and showers-enclosure swimming pools. In fully immersed locations, the inclusion of an acrylic latex additive in grout mix can enhance water repellent properties. Quick and easy to apply, providing a smooth substrates which is unaffected by water or weather. See Technical Data Sheet for mixing instructions.

Bonding the following Types of Tiles

- Ceramic
- Vitrified
- Earthware
- Glazed
- Porcelain
- Stoneware
- Terrazzo
- Unglazed
- Thin and large tiles.

Product Declaration

- C2T according to EN 12004-1
- C2T according to ISO 13007-1
- Tensile adhesion strength test after freeze-thaw cycles not conducted due to tropical climatic conditions.

Chemical Base

Portland Cement selected aggregates, water retention additives, re-dispersible polymer.

Storage Condition

The product must be stored in original unopened, and undamaged sealed packaging in dry conditions at temperature between +5°C and +35°C.

Shelf Life

18 Months from date of production.

Tensile Adhesion Strength

| | |
|-------------------------------------|------------------------|
| Initial/dry condition | ≥1.0 N/mm ² |
| After water immersion/wet condition | ≥1.0 N/mm ² |
| After heat aging | ≥1.0 N/mm ² |
| After+20 minutes, open time | ≥0.5 N/mm ² |



Slip Resistance

| | |
|---------|--------------------------|
| ≤0.5 mm | (EN 12004-2/ISO 13007-2) |
|---------|--------------------------|

Mixing Ratio

| Packing | Water to powder ratio by weight |
|---------|---------------------------------|
| 20 Kg | 0.25-0.28 |
| 40 Kg | 0.25-0.28 |

Quantity of water Per bag

| | |
|--------|---------------|
| 20 Kg. | 6.25-7.00 L |
| 40 Kg. | 12.50-14.00 L |

Fresh Mortar Density

| | |
|----------------------|----------------|
| 1.7± 0.2Kg/L (+27°C) | (EN/SO 2811-1) |
|----------------------|----------------|

Layer Thickness

10 mm max.

Ambient Air Temperature

+5°C min/+35°C max.

Substrate Temperature

+5°C min/+35°C max.

Mature Time

15 Minutes

Pot Life

≥ 180 Minutes (100 g mass +27°C)

Open Time

>10 Minutes (EN 12004-2/ISO 13007-2)

Adjustability Time

8 Minutes

Applied Product ready to use

| Use | Waiting Time |
|----------------------------|--------------|
| Grouting Floor/Walkability | 24-36 Hours |
| Grouting Walls | 4-6 Hours |
| Full Traffic | 14 Days |

Value determined at laboratory conditions: 23°C ± 2°C, RH 50% ± 5%. Higher temperature will reduce the indicated waiting time, Lower temperature increase waiting time.

Important

Perfect from adverse weather conditions such as extremely high or low (Freezing) temperature, rain for at least 12-24 hours from application.

Consumption

Consumption is dependent on the substrate surface profile, roughness and application techniques As a guide for a single adhesive layer.

| Size of Tiles | Notched Trowel Size | Powder Consumption |
|---------------|---------------------|---------------------------|
| Small | 6 mm | 4.0-4.5 kg/m ² |
| Medium | 8 mm | 5.4-6.0 kg/m ² |
| Large | 10 mm | 7.5-8.0 kg/m ² |

Coverage

| Pack | Area Covered |
|-------|-------------------------------|
| 20 kg | 34-40 sqft for 3 mm thickness |
| 40 kg | 70-80 sqft for 3 mm thickness |

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be removed mechanically.

Mixing

1. Pour the recommended amount of clean normal water into a suitable, clean mixing container.
2. Slowly add the powder to the water and then mix thoroughly using a low speed (< 500 rpm.) drill mixer until the material is fully mixed and lump free. Avoid entraining air into the mix by over mixing.
3. Allow the product to mature for 3-5 minutes before remixing for 30 seconds.
4. The finished mix has a creamy consistency uniformly colored and is easy to apply and spread.

Application

IMPORTANT

Avoid application in direct sunlight and/or strong wind / draught.

1. TILEFIX-AT is applied using a suitable square notched trowel. Apply adhesive to the prepared fixing surface with the appropriate trowel and comb to the required bed thickness. Coverage on the back of the tiles should be 100 %.
2. Tiling must be carried out on freshly applied adhesive, exerting adequate pressure to ensure complete and uniform contact with the adhesive for optimum bond.
3. If a skin forms on the surface of the adhesive, immediately remove the adhesive layer with the trowel, discard material and apply a fresh layer of Tile Fix-WT adhesive.
4. Adjust tiles if required.
5. Clean off surplus adhesive from the tile face and between the tile joints before the adhesive has dried.
6. After the required waiting time apply the appropriate grout into the tile joints.
7. Tile-fix WT is ideal for laying absorbent ceramic and vitrified tiles up to 900 cm² (e.g. 30 × 30 cm), for indoor application only. Tiles > 900 cm² (e.g. 30 × 30 cm), the double-spreading (buttering) technique is always recommended.

MFD AT:

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