

### Dry FIX 405

#### Description:

Dry Fix 405 is cement based high quality, highly polymer modified, ready mixed, extra flexible, thin set tile adhesive mortar in powder form. Dry Fix 405 requires the addition of water on site.

#### Composition:

Dry Fix 405 is manufactured from a carefully selected raw materials which include a blend of special high strength hydraulic binders, well graded fillers, and additives to enhance workability, flexibility and bonding characteristics.

#### Standards:

Dry Fix 405 is formulated to comply with DIN 18156 & ANSI 118.11 and EN 12004 standards C2 TES2

#### Uses:

Dry Fix 405 is ideal for fixing floors and wall tiles especially in submerged areas such as swimming pools, water tanks, kitchens, bathrooms, and where heavy traffic is present in private and public buildings.

Dry Fix 405 is also ideal for fixing marble tiles on external facade plastered walls.

Dry Fix 405 is suitable for fixing heavy weight marble, porcelain, ceramic and mosaic tiles, thin bricks up to 70 kg/m<sup>2</sup> weight. The suitable surfaces that are concrete, cement base plastered walls and floor screeds, gypsum and cement plaster board, block walls and light weight blocks.

Dry Fix 405 can also be used for fixing new tiles on old glazed ceramic walls and floor tiles

#### Advantages:

- Easy to use and apply. Only requires the addition of water on site for ease of use.
- Raw materials are selected according to the highest quality control standards.
- Excellent mixing and workability characteristics.
- The simplicity of usage and application gives very high productivity rates.
- Excellent bonding characteristics to different construction materials.
- Excellent water and sag resistance.
- High flexibility. Excellent resistant to surface vibrations.
- Temperature resistance from +70°C to -30°C.
- Extended open time and pot life.
- Reduce slip high deformable

#### Technical Data:

Color	Gray & White
Base	Portland cement, graded clean silica sand, and selected additives.
Application Thickness	From 2 mm up to 10 mm
Powder Density	Approx. 1.8 kg/litre.
Open Time	Approx. 30 minutes at 25 C°
Pot life	Approx. 120 minutes at 25 C°
Open to Traffic	24 hours

#### Packaging:

Dry Fix 405 is available in 25 kg bags

#### Mix Proportion:

Approx. 6±0.25 liters of water/ 25 kg bag

#### Coverage Rate:

3 – 5 kg/m<sup>2</sup>.

(Coverage rate may vary depending on surface condition, the type of trowel used and setting practices)

## **Surface Preparation:**

- Cement based surfaces should be left to cure for at least 14 days prior to application of **Dry Fix 405**. A depressions of up to 5 mm depth can be repaired with **Dry Fix 405** the day before.
- Rough or uneven concrete surfaces should be made smooth to provide a wood float finish.
- All surfaces should be in a good and strong condition.
- All surfaces should also be clean and free from any loose particles, dust, oil, grease, curing agents, or paint.
- Tiles that will be fixed should be clean and free from any surface contamination.
- If the surface is dry and in hot weather, pre-wet the surface prior to the application of **Dry Fix 405** without leaving excess water

## **Application Procedures:**

- The whole contents of the bag should be mixed together with water, in one container using a hand drill equipped with mixing blade or high shear stationary mixer. Ask for our range of site mixers.
- Partial or small amounts can be mixed manually, with a trowel, or other suitable hand mixing tools.
- Add 6 liters of fresh cool, clean water in one deep container. Then, add the contents of the 25 kg bag gradually while mixing till the mixture is uniformed and free of lumps. Leave the mixed material for 10 minutes and re-mix for one minute.
- **Dry Fix 405** should be applied while the mortar is fresh and workable (within Pot Life).
- Apply **Dry Fix 405** to the prepared surface using the flat side of the trowel while pressing firmly into the prepared surface.
- Use suitable notched trowel to ensure full bedding of the tile with 2 – 3 mm minimum uniformed thickness. Spread **Dry Fix 405** in areas not more than 1.0 m<sup>2</sup>.
- Press tiles firmly into place and gently adjust the level by twisting slightly within 15 minutes ensuring proper transfer of 85% of the mortar to the back of the tiles.
- Leave tiles to dry for at least 24 hours before start grouting. Use **Dry Grout 413** or **414** according to joints width.

## **Important Notes:**

- Do not apply **Dry Fix 405** on expansion joints or on dynamic cracked plastered walls.
- Expansion joints should be included as per the surface design and carried out through tiles applications.
- Using cold water for mixing allows longer pot life and improved workability.
- Porous surfaces such as gypsum plaster boards should be sealed with **Dry Seal 800** prior to tiles installation using **Dry Fix 405**.
- Do not apply **Dry Fix 405** on metal surfaces.
- Use plastic spacers to leave the required joint width around each tile according to pattern and Architecture recommendations. Leave 2 mm minimum joint width around tiles.
- **Dry Fix 405** is not a replacement for waterproofing membranes. Use **Dry Proof Family** when waterproofing membrane is required.

## **Storage:**

Shelf life is 12 months from manufacturing date, in a dry, covered storage area.

## **Health and Safety:**

While using the product, gloves and goggles should be worn. Splashes to skin or eyes should be washed with clean water, in case of prolonged irritation, seek medical advice.

### DISCLAIMER

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