

# DRYMiX<sup>®</sup>

Cement based, high quality, ready mixed, multipurpose, tile adhesive mortar.

## Dry FIX 401

### Description:

Dry Fix 401 is cement based high quality, ready mixed, multipurpose adhesive mortar for fixing ceramic and mosaic tiles in powder form. Dry Fix 401 requires the addition of water on site

### Composition:

Dry Fix 401 is manufactured from a carefully selected raw materials which include a blend of high strength hydraulic binders, a well graded fillers, and special additives to enhance workability and bonding characteristics.

### Standards:

Dry Fix 401 is formulated to comply with DIN 18156 & ANSI 118.1 and EN 12004 C1 standards.

### Uses:

Dry Fix 401 is suitable for fixing marble, ceramic and mosaic tiles, thin bricks, floor tile with pronounced back-surface pattern to different substrates such as concrete, cement base plastered walls and floor screeds, gypsum and cement plaster boards, block walls and light weight blocks. For extreme conditions, Dry Fix 401 may be mixed with Dry Bond 540.

Dry Fix 401 can be applied in thin or thick bed technique and is ideal for fixing floors and wall tiles especially in wet areas such as bathrooms, shower rooms and kitchens, in private and public buildings.

### 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 plastered substrates and fair face concrete.
- Extended open time and pot life.

### 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
Mix Proportion	Approx. 5.25 ± 0.25 litres of water / 25 kg bags

### Packaging:

Dry Fix 401 is available in 20 & 25 kg bags

### 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 401**. A depressions up to 5 mm depth can be repaired with **Dry Fix 401** 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, the curing agents, or paint.
- Tiles that will be fixed should be clean and free from any surface contamination. If surface is dry and in hot weather, pre-wet the surface prior to the application of **Dry Fix 401** 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 a small amounts can be mixed manually, with a trowel, or other suitable hand mixing tools.
- Add 5.25 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 401** should be applied while the mortar is fresh and workable (within Pot Life).
- Apply **Dry Fix 401** 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 401** in areas not more than 1.0 m<sup>2</sup>.
- Press the 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 401** on expansion joints or on dynamic cracked plastered walls.
- Expansion joints should be included as per the substrate 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 401**.
- Do not apply **Dry Fix 401** 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.

## **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

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.