

## Dry Fix 401

Cement based, high quality, ready mixed, multi purpose, tile adhesive mortar.



### Description

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

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.

DryFix401 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.

### Composition

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

### Standards

Dry Fix 401 is formulated to comply with DIN 18156 and ANSI 118.1 standards.

### Characteristics

- 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.
- Exact mixing ratios and homogeneity of the blend, due to factory fully computerized production process.

- Excellent mixing and workability characteristics.
- Part of Drymix Wet Areas System.
- The simplicity of usage and application gives very high productivity rates.
- Excellent bonding characteristics to plastered substrates and fair face concrete.
- Long open time and pot life.

### Technical Data

Base	Portland cement, graded clean silica sand, and selected additives.
Available Colors	Gray and white.
Application Thickness	From 2 mm up to 10 mm.
Powder Density	Approx. 1.45 kg/lit.
Open Time	Approx. 30 minutes at 25° C.
Pot Life	Approx. 120 minutes at 25° C.
Open to traffic	24 hours

### Packaging

Dry Fix 401 is available in 25 kg bags.

### Mix Proportion

Approx. 5.25±0.25 litres of water/ 25 kg bag.

### Coverage

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 walls and screeds should be left to cure for at least 14 days prior to application of Dry Fix 401. 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 substrates should be in a good and strong condition. All substrates should also be clean and free from any loose particles, dust, oil, grease, the curing agents, or paint. Tiles to be fixed should be clean and free from any surface contamination. If surface is dry and in hot weather, pre-wet prior

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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 small amounts may 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 uniform 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 substrate.
- Use suitable notched trowel to ensure full bedding of the tile with 2 – 3 mm minimum uniform thickness. Spread Dry Fix 401 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.

Our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. Kindly note that this data sheet supersedes any previous prints. For any additional information, please consult our technical marketing department.

### Important Notes

- Do not apply Dry Fix 401 on movement 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.
- Use Dry Fix 401 White when fixing white or light color stone.
- Porous surfaces such as gypsum plaster boards should be sealed with Dry Seal 860 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.

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