

DRYMiX[®]

Dry FIX 407

Cement based, high quality, two component, thin set, extra flexible, waterproofing tile adhesive mortar

Description:

Dry Fix 407 is cement based high quality, highly polymer modified, two component, extra flexible, thin set, waterproofing tile adhesive mortar. Dry Fix 407 requires mixing the two components on site to form ready to use tile adhesive mortar.

Composition:

Dry Fix 407 powder component that is manufactured from a carefully selected raw materials which include a blend of high strength hydraulic binders, well graded fillers, and additives to enhance workability. liquid component is manufactured from blended acrylic copolymers and special additives to enhance flexibility, waterproofing and bonding characteristics.

Standards: Dry Fix 407 is formulated to comply with ANIS 118.15 and EN 12004 standards C2 TES2

Uses:

- Dry Fix 407 is ideal for fixing tiles especially in submerged areas such as swimming pools and water tanks. It is also the recommended tile adhesive mortar in wet areas such as kitchens, bathrooms and shower rooms and where heavy traffic is present in private and public buildings.
- Dry Fix 407 is suitable for fixing heavy weight marble, porcelain, ceramic, mosaic tiles and thin bricks up to 70 kg/m² weight.
- The suitable surfaces are concrete, pre-cast concrete elements, cement base plastered walls and floor screeds, gypsum and cement plaster board, block walls, light weight blocks, plywood, steel and metal.
- Dry Fix 407 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 mixing of the two components on site.
- 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 resistant to surface vibrations.
- Temperature resistance from +70°C to -30°C.
- Excellent water and sag resistance.
- Extended open time and pot life.
- High flexibility & Water Proofing

Technical Data:

Color	Gray & White
Base	Portland cement, graded clean silica sand, and selected additives.
Application Thickness	From 2 mm up to 10 mm
Liquid Density	Approx. 1.1 kg/litre.
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 407 is available in two component pack:

Dry Fix 407 powder: available in 25 kg / bag.

Dry Fix 407 liquid: available in 9 Lit / jerrycan

Mix Proportion:

9 liters of Dry Fix 407 Liquid : 25 kg of Dry Fix 407 Powder.

Coverage Rate:

3 - 5 kg/m².

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

Surface Preparation:

- Cement based surface should be left to cure for at least 14 days prior to application of Dry Fix 407. A depressions of up to 5 mm depth can be repaired with Dry Fix 407 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 applying Dry Fix 407 without leaving excess water.
- Metal surface must be mechanically prepared and should be clean and free from oil and grease.

Application Procedures:

- The whole contents of the powder component should be mixed together with liquid component, in one container with a 600-rpm hand drill with a mixing blade or a high shear stationary mixer.
- Partial or small amounts can be mixed manually, with a trowel, or other suitable hand mixing tools.
- The powder component is added slowly to the liquid component while constantly mixing until uniform and, lump-free mortar is obtained. Leave the mixed material for 10 minutes and re-mix for one minute.
- Dry Fix 407 should be applied while the mortar is fresh and workable (within Pot Life).
- Apply to the prepared surface using the flat side of the trowel while pressing.
- Use suitable notched trowel to ensure full bedding of the tile with 2 – 3 mm minimum uniform thickness. Spread Dry Fix 407 in areas not more than 1.0 m².
- 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 the 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 407 on expansion joints or on a dynamic cracked plastered walls.
- Expansion joints should be included as per the surface design and carried out through tiles applications.
- Porous surfaces such as gypsum plaster boards should be sealed with Dry Seal 800 prior to tiles installation using Dry Fix 407.
- 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.