DRYMiX®

Dry Proof 577

Cement base, polymer modified, two component, high quality, flexible , microfiber reinforced waterproofing coating.

Description:

Dry Proof 577 Microfiber is cement based, acrylic polymer modified, micro - fiber reinforced two component coating. When mixed on site, it gives slurry consistency which is easily applied by brush, roller or spray application. Trowelable consistency can also be achieved.

When dries, Dry Proof 577 Microfiber forms flexible, high quality waterproofing membrane for concrete, cementitious and masonry substrates. Fiber mesh can be used in a strip from over joints and cracks or as reinforcement for the whole application

Composition:

Dry Proof 577 Microfiber is manufactured from carefully selected raw materials which include a blend of high strength cement, selected well graded fillers ,micro fibers and carefully selected additives in powder form together with liquid component which is manufactured from modified acrylic polymer dispersion and wetting agents.

Standards:

Dry Proof 577 Microfiber formulation Complies with EN 13892/2 standards

Uses:

Dry Proof 577 Microfiber is used as internal and external waterproofing membrane in the following structures:

- Walls and floors in wet areas such as bathrooms, kitchens, balconies and roofs.
- Water retaining structures such as swimming pools, potable water tanks and waste water tanks.
- Foundations, retaining walls and basements. Where carbonation and chloride protection are required to concrete structures

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.
- Flexible. Will accommodate hair cracks movement up to 2.5 mm.
- Suitable for internal and external waterproofing applications.
- Excellent bond strength to different construction materials.
- Nontoxic. Approved by National Research Center.
- Can be applied to damp surfaces and 24 hours old concrete substrates.
- Will not support bacterial growth.
- Resistant to light pedestrian traffic.
- Impermeable.
- Will not support bacterial growth.

Technical Data:

Color	Grey and White
Density	1.9Kg /m³
Positive Pressure	3 Bar
Negative Pressure	0.5 Bar
Crack Bridging Ability	2.5 mm
VOC Content	› 5 gram / Liter
Toxicity	Non Toxic
Pot Life	Approx. 40 minutes at °23 C.
No. of Coats	Two coats (minimum).
Time Between Coats	12 hours minimum at °25C and %50 relative humidity
Elongation	45%

Packaging:

Dry Proof 577 Microfiber is available in two component pack:

- Powder: available in 15 kg / bag.
- Liquid: available in 5 kg / jerrycan

Mix Proportion:

Mix the 2 components together

Coverage Rate:

2.5 - 3 Kg/m².(Two coats).
(Coverage may vary depending on surface conditions).

Surface Preparation:

- Concrete, masonry and cementitious surfaces are the recommended surfaces to be waterproofed using **Dry Proof 577 Microfiber** .
- The Surfaces that will be waterproofed should be in good, strong and stable condition. should be clean, free from any dust, defective renders, loose particles or laitance.
- Remove any surface coatings, grease, oil, curing compounds and any other foreign materials that may affect the adhesion. Mechanical surface Preparation is recommended by light abrasive blasting, high pressure water jetting or mechanical grinding.
- Honeycombs, pin holes and surface cracks should be cut back and repaired using suitable cementitious repair mortar.
- Wall to floor intersections should be cut 20 X 20 mm along the junctions and filled with suitable cementitious repair mortar and round out to 40 mm minimum radius.
- The surfaces that will waterproofed should be levelled and as flat as possible.
- The surfaces should be thoroughly wet but free of standing water prior to the application of **Dry Proof 577 Microfiber** Consult **Drymix** technical department for details.

Application Procedures:

- The whole contents of the powder component should be added slowly to the liquid component in one container and mixed together using medium speed hand drill fitted with mixing paddle.
- Partial small amounts may be mixed manually with a trowel or other suitable hand tools. The powder component is added slowly to the liquid component while constantly mixing until uniform, lump-free slurry is obtained. Should any delay occur, do not add additional water.
- Mix for 3 minutes to a lump free consistency.
- Only Mix the quantity that will be applied within pot life time.
- Always apply **Dry Proof 577 Microfiber** to pre-wet surface but free from standing water.
- The first coat should be applied to the well-prepared surface by stiff brush, roller or by spray application at a minimum rate of 1.5 kg/ m^2. work the material well into the surface. Do not spread too thin. Finish in one direction for neat appearance.
- If the mix begins to drag during application, do not add water but re-dampen the surface.
- Leave the first coat at least overnight to cure before applying the second coat.
- Apply the second coat when the first coat is strong enough to receive it. Dampen the first coat and remove the excess water.
- Apply the second coat at the rate of 1-1.25 kg/ m^2 following the same application technique at right angle to the first coat.
- If cementitious plaster will be applied over **Dry proof 577 Microfiber** , sand dash immediately to create mechanical key and aid adhesion
- If the second coat is the final coat, finish it with brush, roller or sponge to get a uniform finish.
- Allow the second coat to dry. Then allow for air drying.

Important Notes:

- Do not apply **Dry Proof 577 Microfiber** on movement joints
- Expansion joints should be included as per the surface design and carried out through **Dry Proof 577 Microfiber**.
- Never cure with water or any curing compounds.
- It is advisable that **Dry Proof 577 Microfiber** should be protected against rapid drying and rains for 3 days.
- **Dry Proof 577 Microfiber** can be subjected to mechanical stresses after 3 days and can be opened to water exposure after 3 days.
- **Dry Proof 577 Microfiber** should be protected from damage due to the application of subsequent layers.
- If ceramic tiles should be fixed on top of **Dry Proof 577 Microfiber** , it is recommended to use **Dry Fix Family** for fixing tiles using thin bed method of installation.
- **Dry Proof 577 Microfiber** whilst stopping water running, it remains breathable. only vapour permeable finishes are recommended to be applied over **Dry Proof 577 Microfiber** .

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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