



Features

FF Durafix D2 is a premium quality dispersion based, ready to use thin set polymeric tiles fixing adhesive.

It is recommended for use indoors in both dry areas as well as areas subject to intermittent wetting and drying- for e.g. kitchen, bathrooms. Its main USP is that it is extremely easy and ready to use. Suitable for tiles up to a maximum of 400*400 mm.

FF Durafix D2 is not recommended for exterior floors or in continuous immersion applications for e.g. Swimming pools or water or water tanks.

The FF Durafix D2 by Freeform is made using special additives, selected fillers and high quality polymer resins.

Key features include:



Thin Layer Application
Environment friendly



High Flexibility in Material
Less cracks | Large panel sizes



Easy to Clean
Better looking surfaces



High Strength
High durability | Low maintenance cost



Lower Dimensional Shrinkage
Fewer cracks in concrete



High Consistency of Material
Peace of mind



Low Requirement of Curing
Less supervision required at site



High Workability
Fast completion of project



High Bonding
Better adhesion



Extensively Tested at Factory
Quality assured

Application

It can be used for fixing all tiles, stones and mosaics other than moisture sensitive tiles. It is suitable for use on most absorbent surfaces- but not on non-absorbent surfaces as the adhesive needs possibility to dry after application.

Appearance

Single component ready to use white adhesive paste.

Specifications

Please refer to page 3

Output/ Coverage

~ 2 to 3.5 kgs per m² for notches depth of 3 to 6 mm

Application Thickness

2 to 4 mm

Base Surface Preparation

Base surface should be clean and free of any dust, grease and loose particles or any other material that may restrict adhesion. Any water proofing if required should be completed first.

The surface should be dimensionally stable, and free from any de-bonding agents or rising damp.

Ensure proper flat level of the base as that will be more economical in use. Undulations over 10 mm should be corrected by suitable screed/plaster.

Floor bases must be checked and have a minimum Cohesive Tensile strength of 2.5N/mm² and wall bases must have a minimum Cohesive tensile strength of 1N/mm² for the application.

Waterproofing membranes of polymeric, bituminous, or even cementitious surfaces may require a layer of Screed application before the tiling can take place for proper adhesion.

In case of application on gypsum or anhydrite surfaces, preparation of surface with FreeForm Primer Humiblock is essential. Even for other surfaces, the use of a suitable FreeForm Primer is recommended.

This adhesive is NOT suitable for fixing stones or tiles larger than 400mm per side in flooring, or larger than 600 mm in external cladding, and so must not be fixed with this adhesive.

Advance testing and trial is necessary in case of fixing natural stone with reinforcement layers of resin coating, polymer mesh, matting, etc. or treatments such as damp courses etc., to check for compatibility and suitability of application.

Application/Installation Method

FF Durafix D2 is ready to use and does not require any addition of water. It should be mixed by hand or electrical mixer for about 1 minute before use. Though the pot life of the material is much longer, it is best to use up the mortar mixture within 30 minutes from mixing.

The mortar is spread and firmly pressed on the substrate to be tiled covering not more than 1 sq.mt. at a time.

The system requires the use of a corresponding size of notched edge spatula to achieve a uniform film thickness and to avoid mortar skin formation. The notch on the trowel must not exceed 8 mm assuming that one side is absorbent. Apply the FF Durafix D2 with thin bed method with adhesive covering most of the back side of the tiles. First apply with the flat side of the notched trowel to key-in the adhesive on the tile surface. Then

deposit additional adhesive and notch it with the trowel. Be careful not to use excess of adhesive as it will not dry up and create problems with adhesion. The positions of the tiles can be adjusted within 10-15 minutes after the installation.

- Ensure full coverage of the adhesive on the tile by lifting and checking a recently laid tile/s
- Give min. 24-48 hours before grouting.
- Do not apply in temperature below 5°C and above 35°C.
- Do not apply on wood or metal.

Curing

No curing is required. Tiles or stone can be grouted 48 hours after application. Avoid direct rainfall or freezing temperatures during the first 24 hours after use.

Open to Traffic

Tiles may be subjected to foot traffic after 2 days and full cure is assumed to be 5-7 days depending on weather conditions.

Packing

5, 25 kg buckets

Shelf Life

3 months from date of packing before opening. Use within few hours of opening. Store carefully away from dampness and moisture.

Technical Support

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✉ support@freeformbyvyara.in

Applicable Standards

| Standard | Marking |
|-------------------------|---------|
| As Per EN 12004-1: 2017 | D2TE |

Specifications

| Test Name | Relevant Standard | UOM | Requirement | Result | Meaning |
|---|-------------------|-------------------|-------------------|------------|---|
| Maximum Size of Aggregate | EN 1015-1 :1999 | mm | NA | ≤ 1 | |
| Workable Life | EN 1015-9 :1999 | min | NA | 120 | |
| Final Setting Time | EN 196-3: 2003 | min | NA | ~350 | |
| Initial Shear Adhesion Strength | EN 12004-2:2017 | N/mm ² | ≥ 1 | Conforming | High adhesion strength |
| Shear Adhesion Strength After Heat Ageing | EN 12004-2:2017 | N/mm ² | ≥ 1 | Conforming | High adhesion strength |
| Shear Adhesion Strength After Water Immersion | EN 12004-2:2017 | N/mm ² | ≥ 0.5 | Conforming | Suitable for wet areas |
| Shear Adhesion Strength at Elevated Temperature | EN 12004-2:2017 | N/mm ² | ≥ 1 | Conforming | Good shear strength—Especially relevant for walls |
| Slip (T) | EN 12004-2:2017 | mm | ≤ 0.5 | Conforming | Thixotropic— Will not slip during fixing—Good for walls |
| Extended Open Time (E) | EN 12004-2:2017 | min | ≥ 0.5 after 30min | Conforming | Longer use time without loss of strength—Good for exteriors |

Disclaimer

Any recommendations for application techniques are based on experiences. It is advisable to adapt processing techniques and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery.

Health Precautions

Adequately protect hands and eyes. In case of contact with eyes consult doctor immediately

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