FREEFORM™
ARCHITECTURAL PREMIXES

Features

FF DuraFix Basic + is a high strength premium quality thin set polymeric cement-based tiles fixing adhesive. This has superior Tensile strength and adhesive properties to Durafix basic and can be used for indoor applications not subject to water immersions or high temperatures.

It is recommended for use of both wall and floor tiling in tile sizes up to 600 mm*600 mm.

The FF DuraFix Basic + by Freeform is made using special additives, selected fillers and high quality polymer resins.

Key features include:

High Adhesion to Substrate
Less peeling off | High bonding

Slight Flexibility in Material
Less cracks | Large panel sizes

Thin Layer Application
Environment friendly

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

Can be used for all type of tiles on

- Plastered surfaces
- Concrete
- Light-weight blocks

Suitable for interior surfaces.

Appearance

Single component premixed plaster powder- ready to use with addition of clean water

Specifications

Please refer to page 3

Output/ Coverage

~1.3 kg/mm/m^2

Application Thickness

2 to 12 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/mm^2 and wall bases must have a minimum Cohesive tensile strength of 1N/mm^2 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.

DuraFix Basic + is not suitable for application on gypsum or anhydrite surfaces. 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 1200 mm per side in flooring. Stone and tiles having deforming properties 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

Prepare the mix by adding to FreeForm FF DuraFix Basic + to the recommended amount of clean water. A suitable mixing time is 3 to 5 minutes depending on the type of the mixing equipment and the quantity. Let the composition stand for 10 minutes and remix again as above. Small amounts can be mixed even manually. 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 up to 1 m 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 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
- Tiles over 600mm on any side require application of the adhesive directly and completely on the back surface of the tile.
- Give min. 24 hours before grouting.
- Do not apply in temperature below 5°C and above 50°C.
- Do not apply on wood or metal.

Curing

The covered surface should be cured for a period of 5 days. 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

20 kg bag

Shelf Life

6 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

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Specifications

Test Name	Relevant Standard	UOM	Require-ment	Result	Meaning
Maximum Size of Aggregate	EN 1015-1 :1999	mm	NA	≤ 1	
Workable Life	EN 1015-9 :1999	min	NA	≥ 435	
Final Setting Time	EN 196-3: 2003	min	NA	~735	
Initial Tensile Adhesion Strength	EN 12004-2:2017	N/mm^2	≥ 1	Conforming	High adhesion strength
Shear Adhesion Dry	IS 15477:2019	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
Adjustment Time	IS 15477:2019	min	Tbd by manufacturer	≥ 30	Longer working time
Water for mixing	NA	%	Tbd by manufacturer	24 to 28%	

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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