



## Features

FF DuraFix Basic is a quality assured thin set polymeric cement-based tiles fixing adhesive for basic tile fixing requirements.

It is recommended for use of absorbent type Ceramic and Cement Tiles for both wall and floor tiling in tile sizes up to 300mm\*300 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



High Bonding  
 Better adhesion



Thin Layer Application  
 Environment friendly



High Strength  
 High durability | Low maintenance cost



High Consistency of Material  
 Peace of mind



Low Requirement of Curing  
 Less supervision required at site



High Workability  
 Fast completion of project



Extensively Tested at Factory  
 Quality assured

## Application

Can be used for all type of tiles on

- Plastered surfaces
- Concrete

Suitable for interior surfaces only.

## 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<sup>2</sup>

## 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<sup>2</sup> and wall bases must have a minimum Cohesive tensile strength of 1N/mm<sup>2</sup> 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.

This adhesive is NOT suitable for fixing stones or tiles larger than 300 mm per side in flooring or walls.

- Do not apply in temperature below 5°C and above 50°C.
- Do not apply on substrates other than that of concrete.

### **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**

☎ 9374001415

✉ support@freeformbyvyara.in

## Applicable Standards

Standard	Marking
As Per EN 12004-1: 2017	C1
As per IS 15477: 2019	Type 1

## Specifications

Test Name	Relevant Standard	UOM	Requirement	Result	Meaning
<b>Maximum Size of Aggregate</b>	EN 1015-1:1999	mm	NA	≤ 1	
<b>Workable Life</b>	EN 1015-9:1999	min	NA	≥ 120	
<b>Final Setting Time</b>	EN 196-3: 2003	min	NA	~350	
<b>Initial Tensile Adhesion Strength</b>	EN 12004-2:2017	N/mm <sup>2</sup>	≥ 0.5	Conforming	High adhesion strength
<b>Tensile Adhesion After Water Immersion</b>	EN 12004-2:2017	N/mm <sup>2</sup>	≥ 0.5	Conforming	Suitable for wet areas
<b>Tensile Adhesion After Heat Aging</b>	EN 12004-2:2017	N/mm <sup>2</sup>	≥ 0.5	Conforming	Suitable for area subject to high temperatures up to 70° C
<b>Shear Adhesion Dry</b>	IS 15477:2019	N/mm <sup>2</sup>	≥ 1	Conforming	Good shear strength— Especially relevant for walls
<b>Slip (T)</b>	EN 12004-2:2017	mm	≤ 0.5	Conforming	Thixotropic— Will not slip during fixing—Good for walls
<b>Extended Open Time (E)</b>	EN 12004-2:2017	min	≥ 0.5 after 30min	Conforming	Longer use time without loss of strength—Good for exteriors
<b>Adjustment Time</b>	IS 15477:2019	min	Tbd by manufacturer	≥ 30	Longer working time

### 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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