

## TECHNICAL DATASHEET

# FIXOBOND+

High Quality Versatile Thin/Medium Set  
Adhesive For Tiles & Natural Stones

**FIXOBOND AD** to improve the  
adhesion and flexibility.



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## PRODUCT INTRODUCTION

**FIXOBOND+** (White/Grey) is a specially engineered cement based highly polymer modified, self curing, high strength adhesive for tile & natural stone, Vitrified tiles , marble , granite and mosaic tiles of small to medium profiles applications for interior wall and floor surfaces. **FIXOBOND PLUS** surpasses the requirements of **IS 15477: 2019 (2)** and **EN 12004 ( Type 2 , C 2 ,T, E )**. It can be mixed with

Version : 1 ( NOV : 2022 )

## KEY FEATURES

1. For external and internal use.
2. Excellent bonding strength (C2).
3. Extended open time (E).
4. Superior workability.
5. Economic and easy to apply.
6. Can be used with thin and medium bed.
7. Water resistant and easy to use.

## RECOMMENDED APPLICATIONS

1. Can be used over plaster, screeds, R.C.C. wall & floor, rough natural stone, ceramic, porcelain & vitrified floor tile, etc.
2. Ceramic, porcelain, vitrified tiles, glass mosaic & natural stone of small to medium profile.
3. Size of tile up to 12 ft<sup>2</sup> Weight of tile/stone up to 60 Kg/m<sup>2</sup> - subject to substrates properties.
4. Can be used on liquid applied waterproofing membranes directly.

## TECHNICAL PROPERTIES\* (Complies to IS 15477:2019 (Type 2) & EN 12004)

<b>Appearance</b>	Grey/White powdered mixture
<b>Water Demand</b>	25±5% by weight of powder
<b>Bulk Density</b>	1400 ± 100 Kg/m <sup>3</sup>
<b>Tensile Adhesion</b>	$\geq 1.0 \text{ N/mm}^2$ (Dry Condition - 28 Days) $\geq 1.0 \text{ N/mm}^2$ (Wet Condition - 28 Days)
<b>Shear Adhesion</b>	$1.25 \text{ N/mm}^2$ (Dry Condition - 28 Days ) $1.00 \text{ N/mm}^2$ (Wet Condition - 28 Days ) $1.00 \text{ N/mm}^2$ (Heat Condition - 28 Days )
<b>Open Time</b>	30 ± 5 minutes
<b>Pot Life</b>	1 hour ± 30 minutes
<b>Adjustment Time</b>	15 ± 5 minutes
<b>Time to Traffic</b>	24 Hours
<b>Final Thickness</b>	3 mm - 12 mm ( Depending on site condition )

*\*The values obtained are from laboratory testing conditions and at 27 ± 2°C . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.*

## APPLICATION METHODS:

### 1. Surface Preparation

The surface should be clean, dry and free from any contaminants such as dust, oil, wax, grease, curing agents or other substances that may affect adhesion performance. Building debris such as off cuts, sawdust, nails, screws, plaster, wood, etc., must be thoroughly cleaned with help of wire brush - vacuum cleaner - damp sponge.

**Note:** Do not apply over any deteriorating substrate. Ensure that new concrete slab have fully cured 7-14 days. Ensure that screeds are cured, normally after 7 days depending on the screeds' thickness and temperature. Ensure that the waterproof membranes are cured, under 24 – 48 hours after application.

### 2. Priming

Porous Substrates: Prime with **FIXOBOND AD**, water and OPC (in ratio of 1:2:1). Allow Primer to reach dry film before applying **FIXOBOND+**. Do not over dilute the primer. Extremely porous surface may require second coat.

### 2. Coverage

2.75 – 3.00 ft<sup>2</sup> @ 3-4mm thickness per Kg

*(Use 6mm x 6mm notches depending up on substrates and weight of tiles/ stone)*

### 3. Mixing

Pour approximately 21–29% of water in a clean vessel/container and gradually add 20Kg of **FIXOBOND+** adhesive whilst mixing. (Slight water can be added in hot weather condition). Using a mechanical mixer at medium to high speed, mix powder and liquid additive together till it gets smooth paste & consistency is achieved. Allow it to set for a few minutes, re-mix before application. Adhesive should not slump when combed out using appropriate size notched trowel.

### 4. Application

Tile installation should be undertaken as per Indian Standard requirements. Ensure the back of tiles are free from dust or any materials which may inhibit adhesion.

- i. Spread **FIXOBOND+** adhesive over the surface/ substrate using an appropriate notched trowel.
- ii. When installing wall and floor tiles, lay one tile over adhesive then lift tile up again. The bed thickness after completion should be 4mm for wall tiles and between 3mm-6mm for floor tiles.
- iii. Ensure all tiles are fully supported by adhesive without any voids.
- iv. Inspect the underside of tile for complete bedding adhesion.
- v. Clean any excess adhesive from the joints and from tiles when till it remains wet.
- vi. Ensure the grout joints be of 1.5mm-3mm spacing between tiles.
- vii. Allow it to dry for 24 hours prior to foot traffic and grouting.

It is compatible with most solid substrates such as concrete, masonry, plaster board, fibrous cement sheeting, renders & screeds. All substrates should be pre-tested to ensure suitability.

## CURING

Adhesive begins to set after an hour and is trafficable approximately 4-6 hours (longer if temperature do not exceed 10°C) after installation depending on air and substrate temperature. Grouting generally is best 24 hour after tiles have been installed.

Optimum performance level is acquired after 28 days of curing.

## PACKAGING

Available in 20 Kg, 30 Kg and 50 Kg plastic lined bags.

## CLEAN UP

Remove excess adhesive from tile through tools like a damp cloth whilst material is still wet. Wash all tools in warm soapy water immediately after use.

## SHELF LIFE

12 months from the date of production if stored in original, sealed packaging and protected from moisture, sun exposure and frost.

## DISCLAIMER:

*While the technical details & recommendations contained in this document and the related details given by the representatives of the company correspond to the best of our knowledge & experience, all the above information must in any case be considered as merely indicative and subject to confirmation. Users are recommended to conduct a product suitability test before it is used at full scale. In any case, the consumer alone is entirely liable for any consequences resulting from using the product. For the most up-to-date TDS, please visit our website at [www.ascolite.in](http://www.ascolite.in). Our company policy is therefore, we reserve the right to update this information without prior notice at any time. As the correct identification of the problems, the quality of materials used, on-site environmental conditions and the workmanship on-site are factors beyond our control, there is no express or implied guarantee/warranty as to the results achieved. The company assumes no liability or consequential damage arising from the use of our products for unsatisfactory*