

## TECHNICAL DATASHEET

# FIXOBOND+

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



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## PRODUCT INTRODUCTION

A grey cement based highly polymer modified tile & stone adhesive suitable for application on concrete/ cement-plastered or tile (tile on tile) substrates on interior wall & floor surface for fixing vitrified tiles, marble, granite & mosaic of small to medium profile. FIXOBOND PLUS surpasses the requirements of IS 15477: 2004. It can be mixed with FIXOBOND AD to improve the adhesion and flexibility.

## KEY FEATURES

1. For external & internal use
2. Excellent bonding strength (C1)
3. Extended open time (E)
4. Superior workability
5. Economic & easy to apply
6. Can be used with thin & medium bed
7. Water resistant and easy to use

## RECOMMENDED APPLICATIONS

1. Installation of Vitrified, Ceramic tiles on floor & walls
2. Can use over concrete, cement render, screeds etc.
3. Can use on liquid applied waterproofing membranes directly
4. Installation of Porcelain tiles and range of other substrates.
5. Suitable for interior wall cladding
6. Suitable for use in both internal and limited external applications.

*Adhesive grade recommended for different tile/stone sizes are subject to thickness and weight of tiles, groove between tile/stone, application area, environmental conditions and application height etc. Refer product TDS / contact our technical team for details.*

## TECHNICAL PROPERTIES\*

Appearance	Grey/white powdered mixture
Water Demand	25 ± 5 % by weight of powder
Bulk Density	1400 – 100 Kg/m <sup>3</sup>
Tensile Adhesion	≥ 1 N/mm <sup>2</sup> @ 28 Days
Shear Adhesion	≥ 1.4 N/mm <sup>2</sup> (Dry Condition) @ 24 hours
Open Time	30 ± 5 minutes
Pot life	1 hour ± 30 minutes
Adjustment Time	15 minutes ± 5 minutes
Time to Traffic	24 Hours

*\*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

All surfaces must 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 the help of wire brush - vacuum cleaner - damp sponge.

Note: If applying over existing tiles various preparation methods apply depending on surface and application. Do not apply over any deteriorating substrates. Ensure that new concrete slab have fully cured 7 - 14 days during weather conditions. Ensure that screeds have cured, normally after 7 days depending on screed thickness and temperatures. Ensure waterproof membranes have cured, minimum 24 – 48 hours after application.

### 2. Priming

Porous Substrates: Prime with **FIXOBOND AD**, Water & OPC (In the ratio of 1:2:1) using by brush or roller. Allow Primer to reach a touch dry film prior to applying **FIXOBOND PLUS**. Do not over dilute Primer. Extremely porous surfaces may require second coat.

### 3. Coverage

2.5-3 ft<sup>2</sup> at 3 mm thickness per Kg

*(Use 6mm x 6mm to 12mm x 12mm notches depending up on substrates and weight of tiles/ stone)*

### 4. Mixing

Pour approximately 21–29% of water in a clean vessel/container and gradually add 20 kg of **FIXOBOND PLUS** 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 until smooth paste consistency is achieved. Allow to set a few minutes, re-mix before applying. Adhesive should not slump when combed out using the appropriate size notched trowel.

### 5. Application

Tile installation must be undertaken in accordance with Indian Standard requirements. Ensure the back of the tiles to be adhered are free from dust or any materials which may inhibit adhesion.

- i. Spread **FIXOBOND PLUS** adhesive over prepared surface/substrate using an appropriate notched trowel.
- ii. When installing wall and floor tiles, lay one tile over adhesive then lift tile up again. Finished bed thickness should be a minimum of 4mm for wall tiles and 3-6mm for floor tiles.
- iii. Ensure all tiles are fully supported by adhesive and that no voids are present.
- iv. Inspect the underside of tile for complete bedding adhesion.
- v. Clean away any excess adhesive from the joints and face of the tiles whilst the adhesive is still wet.
- vi. Ensure minimum grout joints of 1.5–3mm spacing between tiles. Larger joints required for quarry/ stone tiles. Refer to the tile manufactures specifications.
- vii. Allow to dry undisturbed for 24 hours prior to foot traffic and grouting.

**SUBSTRATES** Compatible with most solid substrates such as concrete, masonry, plaster board, fibrous cement sheeting, renders and 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 temperatures do not exceed 10°C) after installation depending on air and substrate temperatures. Grouting generally is best 24 hour after tiles have been installed. Optimum performance level is reached after 28 days of curing.

## PACKAGING

Available in 40 Kg and 20 Kg plastic lined bags.

## SHELF LIFE

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

## CLEAN UP

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

## 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 one of ongoing R&D; 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 other 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 results. Site visits are not a supervisory responsibility wherever provided. Suggestions made either verbally or in writing by the company may be followed, modified or rejected by the owner, engineer or contractor, since they are solely responsible for carrying out procedures appropriate to a specific application.*