

## TECHNICAL DATASHEET

# FIXOBOND PRIME

Highly Polymerized, Grey / White Glass Mosaic and Stone Adhesive



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## PRODUCT INTRODUCTION

**FIXOBOND PRIME** is a professionally proven formula, specially engineered white/grey cement based highly polymerized, self curing, high strength superior adhesive for tile & natural stone. This is an improved shock and impact resistance adhesive suitable for application on concrete/cement plastered or tile( tile on tile ) substrates on interior surface, exterior walls and floor surface for fixing vitrified tiles, Glass mosaics, marble and granite of medium to large profile. **FIXOBOND PRIME** surpasses the requirements of **IS 15477: 2019**.

Version 1 ( Nov . 2022 )

## KEY FEATURES

1. Excellent bonding strength (C2).
2. Extended open time (E).
3. Excellent slip resistance on vertical applications (T).
4. Shock and impact resistant.
5. Superior workability and user friendly.
6. Suitable for submerged tiling applications.
7. Suitable for interior & exterior wall cladding.
8. Non slip & water resistant.
9. Easy to use.
10. Shrinkage & crack resistance.

## RECOMMENDED APPLICATIONS

1. Installation of glass mosaic , vitrified , ceramic tiles on floor and walls.
2. RCC wall , RCC floor, cement render, screeds etc.
3. Can be used on liquid applied waterproofing membranes directly.
4. Installation of stone, marble and range of other substrates.
5. Interior and exterior cladding application.

*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 \*(Complies to IS 15477 : 2019 (Type 3) & EN 12004)

<b>Appearance</b>	Grey/White Powder Mixture
<b>Bulk Density</b>	1400 ± 100 Kg/m <sup>3</sup>
<b>Water Demand</b>	25 ± 5 % by weight
<b>Tensile Adhesion</b>	$\geq 1.50 \text{ N/mm}^2$ @ 28 days-Dry $\geq 1.0 \text{ N/mm}^2$ @ 28 days-Wet
<b>Shear Adhesion Strength</b>	$\geq 1.5 \text{ N/mm}^2$ @ 28 days - Dry $\geq 1.0 \text{ N/mm}^2$ @ 28 days - Wet $\geq 1.0 \text{ N/mm}^2$ @ 28 days - Heat condition
<b>Open Time</b>	30 ± 5 minutes
<b>Adjustment Time</b>	15 ± 5 minutes
<b>Pot Life</b>	1 Hour ± 30 minutes
<b>Final Thickness</b>	3 mm - 12 mm (Depending on site condition)
<b>Time to Traffic</b>	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

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

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

3.5 - 4.5 ft<sup>2</sup> @ 3 mm thickness for glass mosaic

*Use 6mm x 6mm to 12mm x 12mm 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.

## PACKAGING

Available in 20 Kg, 30 Kg & 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 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 fol-*