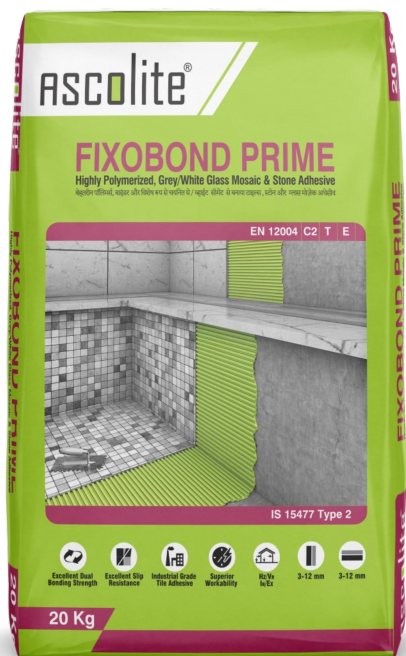


TECHNICAL DATASHEET

FIXOBOND PRIME

Highly Polymerized, Grey /White Glass Mosaic and Stone Adhesive



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PRODUCT INTRODUCTION

FIXOBOND PRIME is a white or grey cement based highly polymerized, self curing and high strength tile adhesive suitable for application on concrete /cement plastered or tile (tile on tile) substrates on interior, exterior walls & 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.

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

RECOMMENDED APPLICATIONS

1. Installation of glass mosaic, vitrified, ceramic tiles on floor & 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 applications
6. Size of tile up to 16 ft² and weight up to 60 Kg. / mt²

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 IS 15477:2019 & EN 12004)

Appearance	Grey/White Powdered Mixture
Bulk Density	1400 ± 100 Kg/m ³
Water Demand	25 ± 5 % by weight
Tensile Adhesion	≥ 1.5 N/mm ² @ 28 days - Dry ≥ 1.0 N/mm ² @ 28 days - Wet
Shear Adhesion	≥ 1.5 N/mm ² @ 28 days - Dry ≥ 1.0 N/mm ² @ 28 days - Wet ≥ 1.0 N/mm ² @ 28 days - Heat Ageing
Open Time	30 ± 5 minutes
Pot Life	1 Hour ± 30 minutes
Setting Times	2 ± 1 Hours
Adjustment Time	15 ± 5 minutes

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 ASCOBOND, 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 PRIME. Do not over dilute Primer. Extremely porous surfaces may require second coat.

3. Coverage

2.5 to 3.0 ft² / kg at 3 mm thickness

3.5 to 4.5 ft² / kg at 3 mm thickness for glass mosaic

(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 PRIME 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 PRIME 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 4 mm for wall tiles and 3-6 mm 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 – 3 mm spacing between tiles. Larger joints required for quarry / stone tiles. Refer to 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 & 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.

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.

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.

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. 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.