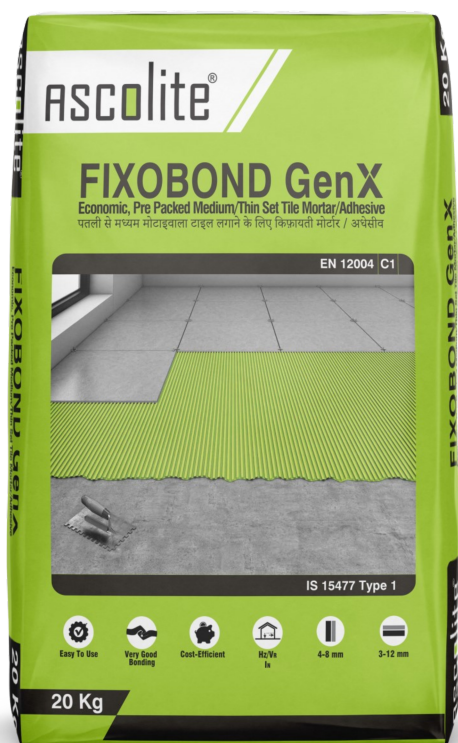


## TECHNICAL DATASHEET

# FIXOBOND GENX

Economic, Pre-packed, Medium/Thin set  
Tile Mortar/Adhesive



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## PRODUCT INTRODUCTION

FIXOBOND GENX is a grey cement and polymer based tile mortar/adhesive suitable for application on Concrete/Cement-plastered substrates on interior wall and floor surface for permanent fixing of ceramic, porcelain tiles and allied.

## KEY FEATURES

1. Pre-packed general purpose mortar
2. Highly cost effective
3. Good bond strength
4. Can use thin & medium bed
5. Easy to use

## RECOMMENDED APPLICATIONS

1. Installation of 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 Ceramic, Porcelain tiles and allied.
5. Can use as a bedding mortar
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 \* (Complies to IS 15477:2019 (Type 1) and EN 12004)

Appearance	Grey Powdered Mixture
Bulk Density	1300 Kg/m <sup>3</sup> ± 100
Tensile Adhesion	0.50 N/mm <sup>2</sup> (Dry Condition - 28 days)
Shear Adhesion	1.00 N/mm <sup>2</sup> (Dry Condition - 28 days)
Pot life	1 hour ± 30 minutes
Open Time	15 min ± 5 minutes
Setting Time	8 ± 1 hour depending on temperature
Adjustment Time	10 min ± 3 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.

### 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 GENX. Do not over dilute Primer. Extremely porous surfaces may require second coat.

### 3. Coverage

2.5 – 3.0 ft<sup>2</sup> / kg at 3 mm thickness

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

### 4. Mixing

Pour approximately 25 ± 2 % of water in a clean vessel/container and gradually add 20 kg of FIXOBOND GENX 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 GENX 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 50 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.

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*The values obtained are from laboratory testing conditions and at  $27 \pm 2^{\circ}\text{C}$  . On site tests may show slight variation due to site conditions and / or methods of testing. Follow company TDS to obtain best results.*

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

## 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.*