ascolite®

A Better Solution

FIXOBOND FLEX

Premium Grade Super Flex, Grey/White Adhesive

PRODUCT INTRODUCTION

FIXOBOND FLEX is a single component, high performance, flexible tile adhesive consists of distinguished blend of cement, well graded minerals and high content of modified polymers that forms when mixed with water an outstanding tile adhesive that capable for fixing all types of heavy or large ceramic tiles and natural stone on all common construction substrates that may be subjected to vibration or limited deflection internally or externally. FIXOBOND FLEX is suitable for tile installations over green screeds and render. Compiles to EN 12004, Class C2TE, EN 12002, Class S1

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KEY FEATURES

1. Excellent shrinkage and crack resistance
2. Ultimate stability & dual bonding strength (C2)
3. No vertical slip
4. Extended open time (E)
5. Highly flexible (S1)
6. Ultra high adhesion & flexural strength

RECOMMENDED APPLICATIONS

1. Laying large format or heavy tiles and natural stone over concrete and cement base screed, mortar and plaster substrates.
2. Laying all types of vitrified, ceramic tiles and stone on all common construction substrates where slightly movements or deflections are likely.
3. Highly recommended with under floor heating systems.

4. Superb in fixing tiles in external floors and walls exposed to sever environmental conditions.
5. Can be used for tile over tile applications.
6. On drywall such as gypsum boards and plaster boards.
7. Can use over concrete, cement render & screeds and block work etc.
8. Can use over approved waterproofing membranes and existing tiles.
9. Suitable for use in both internal and external applications.
10. Applications like bathrooms, kitchens, swimming pools, stone cladding, framing of natural/artificial stones etc.

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	White/grey powdered mixture
Water Demand	25 ± 5 % by weight of powder
Bulk Density	1400 ± 100 Kg/m^3
Tensile Adhesion Strength	> 1.9 N/mm^2 (28 days)
Time to Traffic	24 Hours
Shear Adhesion Strength	> 1.8 N/mm^2 @ 14 Days (Dry Condition)
Deformability	> 2.5 mm & < 5.0 mm
Open Time	30 ± 5 minutes
Pot life	1 Hour $\pm$ 30 minutes
Adjustability Time	15 ± 5 minutes

The values obtained are from laboratory testing conditions and at 27 ± 2^oC . 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 contaminates 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

FIXOBOND FLEX can be applied directly on concrete, cement plaster, screed and cement or mortar. When working on porous or high absorbent surfaces such as gypsum-based materials, prime with ASCOBOND AR 470, 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 FLEX. Do not over dilute Primer. Extremely porous surfaces may require second coat.

3. Mixing

Pour approximately 21 – 29 % of water in a clean vessel/container and gradually add 20 kg of FIXOBOND FLEX 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.

4. 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 FLEX 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.

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.

COVERAGE

2.5 - 3 ft^2 @ 3mm thickness per Kg

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

CURING

Optimum curing performance level is achieved after 24 hours of application.

PACKAGING

Available in 50 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.

SAFETY GUIDELINES

i.   Use protective items while using FIXOBOND FLEX

ii. Use of gloves is recommended to protect skin and mouth while in use. (Safety Data Sheets are available through company representative or ASCOLLITE's website)

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.