

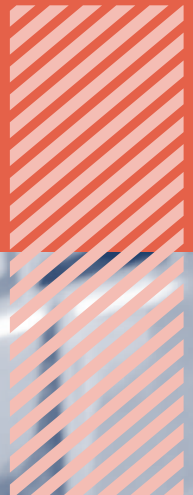


 **FIXCERA**



TILE ADHESIVES

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TECHNICAL DATA SHEET



FIXCERA ECO

A durable and economical thin-set tile adhesive for fixing ceramic tiles on interior floors and walls. Also suitable for fixing small and medium sized natural stones in interior areas.

FEATURES AT A GLANCE

- Economical
- Polymer based product
- Single component, easy to use
- Up to 10X higher coverage compared to traditional method
- Designed for interior applications
- Best suited for new floor installations
- Best suited for ceramic tiles
- Complies with EN C1T classification
- Complies with IS 15477:2019 - Type 1T standard
- Complies with ANSI A118.1T specifications
- Available in sturdy 20kg bags

TECHNICAL DATA SHEET



ECONOMICAL FLOOR AND WALL TILE ADHESIVE

COMPLIANCE AND FEATURES



RECOMMENDATION

Best suited for installation of small and medium format ceramic tiles on cement based floors. Recommended for dry areas only.



CONSISTENTLY OUTSTANDING

TECHNICAL DATA SHEET

ECO FRIENDLINESS

This product can be recycled as an inert mineral substance once cured

This product contains negligible Volatile Organic Compounds (VOCs)

This product when used instead of the traditional thick-bed method reduces material transportation and total cement consumption, thus significantly reducing harmful CO₂ emissions



PACKAGING

- 20kg bags

COVERAGE

- 5 - 5.6 m²/ 20kg bag

COLORS

- Grey

MIXING RATIO

- Approx. 5.5L/ 20kg bag

BEST SUITED SUBSTRATES

- Concrete
- Concrete masonry
- Cement-based screeds
- Cement plaster
- Cement terrazzo
- Brick masonry
- Waterproofing products

TECHNICAL DATA

| PARAMETER | VALUE | REFERENCE STANDARD |
|---|------------------------------|------------------------------------|
| Shelf Life | 12 months from manufacturing | |
| Packaging | 20kg bag | |
| Colors | Grey | |
| Coverage/mm Thickness | 1.2kg/m ² | |
| Pot Life at 25°C | Approx. 3 hours | |
| Water Demand | 5.5L/ 20kg bag | |
| Foot Traffic at 25°C | 24 hours | |
| Open Time | 20 minutes | IS 15477:2019 Annex C (Clause 5.3) |
| Adjustment Time | 20 minutes | IS 15477:2019 Annex D (Clause 5.4) |
| Slip | 0.3 - 0.4 mm | IS 15477:2019 Annex E (Clause 5.5) |
| Open Time Tensile Adhesion (20 minutes at 28 days) | 100 - 105 psi | ANSI A118.1 Clause 5.3 |
| Shear Strength at 28 days (Porcelain Mosaic Tile) | 170 - 180 psi | ANSI A118.1 Clause 7.2.5 |
| Durability: Tensile Adhesion After Water Immersion | 0.5 - 0.6 N/mm ² | EN 1348 Clause 8.3 |
| Durability: Tensile Adhesion After Heat Aging | 0.5 - 0.6 N/mm ² | EN 1348 Clause 8.4 |
| Durability: Tensile Adhesion After Freeze-Thaw | 0.5 - 0.6 N/mm ² | EN 1348 Clause 8.5 |
| Transverse Deformation | NA | ISO 13007-2 Clause 4.5 |

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

- All suitable substrates must be stable in accordance with IS 1443
- All suitable substrates must be completely cured, rigid, and leveled within a variation of no more than 3mm in 3m
- All suitable substrate must be free from debonding/ demolding agents
- All suitable substrates must be free from any damp risings
- All suitable substrates must be free of all dirt, grease, sealers, fiber mesh or any loose particles
- Dampen absorbent cement-based surfaces and sweep off excess water

ADHESIVE MORTAR PREPARATION

- Pour clean potable water into a mixing bucket
- Add FixCera Tile Adhesive to the water
- Use about 5.5L of water per 20kg bag of Adhesive
- Mix well using a low-speed paddle drill mixer
- Allow the mixture to rest for 5 minutes
- Mix again and use

INSTRUCTIONS FOR USE

APPLICATION OF THE MORTAR

- Use the straight edge of a trowel to apply a thin coat of the adhesive onto the substrate
- Comb additional mortar on the surface using a notched trowel held at an angle of 45° from the leveled surface
- Place and then press the tile firmly into place with a slight twisting motion
- Back-buttering is necessary for all large format tiles
- Periodically check tiles for complete wetting by the adhesive mortar
- If the adhesive mortar has 'skinned' and results in incomplete wetting of the tile surface, discard the adhesive and replace it with fresh mortar
- Create elastic expansion joints as per requirement
- For highly absorbent natural stones, use an appropriate FixCera Sealer prior to installation
- Remove any surplus adhesive from the tile while adhesive is still fresh

STORAGE

- Store the adhesive powder in a cool and dry place
- Keep away from sunlight

INSTRUCTIONS FOR USE

GROUTING

- Grouting should be commenced after at least 24-48 hours of curing time

HEALTH PRECAUTIONS

- This product is limited to professional use only
- This product contains Portland Cement and Silica
- Wear suitable protective clothing, gloves and eye/ face protection
- Avoid contact with eyes and prolonged contact with skin
- Kindly refer to the Safety Data Sheet for further information.

SAM/FIXCERA/TA/ECO/TDS - REV 00 - 10/21

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