

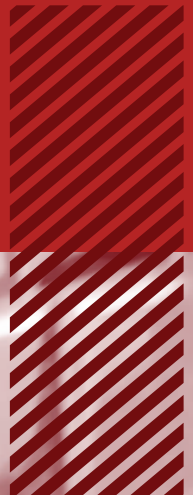


 **FIXCERA**



# TILE ADHESIVES

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TECHNICAL DATA SHEET





CONSISTENTLY OUTSTANDING

## FIXCERA LIMITLESS XL

Highly polymer modified and flexible tile adhesive suitable for all tile and stone fixing applications. Ideal for fixing glass mosaics, vitrified tiles, ceramic tiles, thin format tiles, large stones, large format tiles, terrazzo and natural stones on floors and walls in interior and exterior areas.

### FEATURES AT A GLANCE

- Ultimate bond strength
- Highly water resistant
- Shock resistant
- Ideal for interior and exterior areas
- Ideal for wet areas such as pools, bathrooms, spas, and roofs
- Ideal for large tiles and stones
- Suitable for all types of tiles
- Complies with EN C2TES1 classification
- Complies with IS 15477:2019 - Type 3TS1 standard
- Complies with ANSI A118.4TE specifications
- Available in sturdy 20kg bags

## TECHNICAL DATA SHEET



### ALL PURPOSE TILE ADHESIVE

### COMPLIANCE AND FEATURES



### RECOMMENDATION

Best suited for installation of all types and formats of tiles and stones in interior and exterior areas over floors and walls. Also ideal for use in wet areas and for wet on wet applications.

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Tile Adhesives | Tile Joints | Waterproofing | Admixtures

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### 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 CO<sub>2</sub> emissions



### PACKAGING

- 20kg bags

### COVERAGE

- 5 - 5.5 m<sup>2</sup>/ 20kg bag

### COLORS

- Grey and White

### MIXING RATIO

- Approx. 6.0L/ 20kg bag

### BEST SUITED SUBSTRATES

- Concrete
- Concrete masonry
- Cement-based screeds
- Cement plaster
- Cement terrazzo
- Brick masonry
- Waterproofing products
- Existing tiles of all types
- Cement backer board\*
- Calcium silicate board\*
- Gypsum wall board\*

\*(consult manufacturer's data)

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**TECHNICAL DATA**

PARAMETER	VALUE	REFERENCE STANDARD
Shelf Life	12 months from manufacturing	
Packaging	20kg bag	
Colors	Grey and White	
Coverage/mm Thickness	1.3kg/m <sup>2</sup>	
Pot Life at 25°C	Approx. 4 hours	
Water Demand	6.0L/ 20kg bag	
Foot Traffic at 25°C	24 hours	
Open Time	30 minutes	IS 15477:2019 Annex C (Clause 5.3)
Adjustment Time	40 minutes	IS 15477:2019 Annex D (Clause 5.4)
Slip	0.1 - 0.2 mm	IS 15477:2019 Annex E (Clause 5.5)
Open Time Tensile Adhesion (30 minutes at 28 days)	150 - 180 psi	ANSI A118.4 Clause 5.3
Shear Strength at 28 days (Porcelain Mosaic Tile)	400 - 450 psi	ANSI A118.4 Clause 7.2.5
Durability: Tensile Adhesion After Water Immersion	1.85 - 2.10 N/mm <sup>2</sup>	EN 1348 Clause 8.3
Durability: Tensile Adhesion After Heat Aging	1.50 - 1.70 N/mm <sup>2</sup>	EN 1348 Clause 8.4
Durability: Tensile Adhesion After Freeze-Thaw	1.85 - 2.20 N/mm <sup>2</sup>	EN 1348 Clause 8.5
Transverse Deformation	2.60 - 2.80 mm	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 6.0L 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/LIMITLESSXL/TDS - REV 00 - 10/21

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