

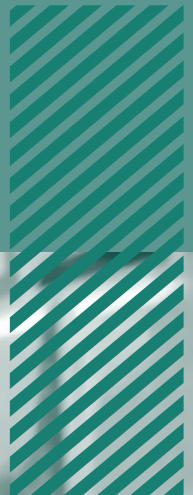


 **FIXCERA**



# TILE ADHESIVES

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TECHNICAL DATA SHEET





CONSISTENTLY OUTSTANDING

## FIXCERA HYDRA

India's first water repellent tile adhesive. Designed for fixing glass mosaics, vitrified tiles, ceramic tiles, terrazzo and natural stones in wet/ exposed areas. Also suitable for use in dry areas. Resists damp risings, efflorescence and microbial growth.

### FEATURES AT A GLANCE

- Resists damp risings
- Resists microbial growth
- Resists efflorescence
- Excellent bond strength
- Suitable for interior and exterior applications
- Designed for wet/ exposed areas
- Visible beading effect once cured over exposed adhesive
- Complies with EN C2TE classification
- Complies with IS 15477:2019 - Type 2T standard
- Complies with ANSI A118.4TE specifications
- Available in sturdy 20kg bags

## TECHNICAL DATA SHEET



### WATER REPELLENT WET-AREA TILE ADHESIVE

### COMPLIANCE AND FEATURES



### RECOMMENDATION

Ideal for fixing all types of tiles up to 600mm x 600mm in interior and exterior areas over floors and walls. Best suited for wet/ exposed areas such as bathrooms and roofs to resist water ingress related issues.

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Tile Adhesives | Tile Joints | Waterproofing | Admixtures

www.fixcera.com  
support@fixcera.com



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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 and stones

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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	30 minutes	IS 15477:2019 Annex D (Clause 5.4)
Slip	0.2 - 0.4 mm	IS 15477:2019 Annex E (Clause 5.5)
Open Time Tensile Adhesion (30 minutes at 28 days)	115 - 140 psi	ANSI A118.4 Clause 5.3
Shear Strength at 28 days (Porcelain Mosaic Tile)	250 - 270 psi	ANSI A118.4 Clause 7.2.5
Durability: Tensile Adhesion After Water Immersion	1.20 - 1.50 N/mm <sup>2</sup>	EN 1348 Clause 8.3
Durability: Tensile Adhesion After Heat Aging	1.00 - 1.25 N/mm <sup>2</sup>	EN 1348 Clause 8.4
Durability: Tensile Adhesion After Freeze-Thaw	1.20 - 1.50 N/mm <sup>2</sup>	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 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/HYDRA/TDS - REV 00 - 10/21

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