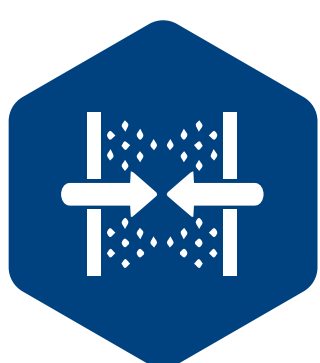


# VITRON TILE ADHESIVE TA02

Polymer Modified Normal  
Cementitious Tile Adhesive with  
Slip Resistance for Vitrified Tiles



**SUPERIOR BOND  
STRENGTH**



**MINIMUM  
SHRINKAGE**



**TILE ON TILE  
APPLICATION**



**LIGHTWEIGHT  
FORMULA**

## INTRODUCTION

**VitrOn Tile Adhesive TA02** is a single-component polymer modified normal setting cementitious tile adhesive for general purpose internal, clay or ceramic and vitrified floor and wall tiling. **VitrOn Tile Adhesive TA02** is also suitable for medium size exterior floor tiles.

**Specifications:**  
**IS 15477-2019, Type - 2T.**  
**EN 12004-1 Type - CITE.**

Technical Data	
Physical States	Cementitious Powder
Appearance	
Color	Grey/White
Mixed density	1.8 – 2.0 kg/liter
Open Time (IS 15477: 2019) 2kg load applied for 30sec	~ 30 minutes
Pot Life	~ 110 minutes
Adjustment Time (IS 15477: 2019) 2kg load applied for 30sec	~ 25 minutes
Slip Resistance (T) (IS 15477: 2019)	≤ 0.5 mm
Tensile Adhesion at Dry Condition Type 1 (IS 15477: 2019)	Min. 1.0 N/mm <sup>2</sup>
Shear Adhesion at Dry Condition Type 1 (IS 15477: 2019)	Min. 1.25 N/mm <sup>2</sup>



### Performance Data As per IS 15477-2019, Type - 2T

Tests	Requirements	Typical Value (Range)
Tensile Strength, N/mm <sup>2</sup> (Dry Condition)	1.0 (minimum)	1.1 to 1.4
Tensile Strength, N/mm <sup>2</sup> (Wet Condition)	1.0 (minimum)	1.0 to 1.2
Shear Adhesion, N/mm <sup>2</sup> (Dry Condition)	1.25 (minimum)	1.3 to 1.4
Shear Adhesion, N/mm <sup>2</sup> (Wet Condition)	1.0 (minimum)	1.0 to 1.3
Shear Adhesion, N/mm <sup>2</sup> (Heat Aging)	1.0 (minimum)	1.0 to 1.4
Slip resistance, mm, (T)	≤ 0.5	0.1 to 0.3

### Performance Data As per EN 12004-1 Type - CITE

Tests	Requirements	Typical Value (Range)
Tensile Strength, N/mm <sup>2</sup> (Dry Condition)	≥ 0.5	0.9 to 1.3
Tensile Strength, N/mm <sup>2</sup> , after water immersion	≥ 0.5	0.7 to 1.1
Tensile Strength, N/mm <sup>2</sup> , after Heat aging	≥ 0.5	0.7 to 1.2
Tensile Strength, N/mm <sup>2</sup> , after Freeze-Thaw cycles	≥ 0.5	0.6 to 1.0
Open Time, (>20 min) N/mm <sup>2</sup>	≥ 0.5 (Tensile Adhesion)	0.6 to 1.0
Slip resistance, mm (T)	< 0.5	0.1 to 0.3

## METHOD OF USE

### Surface Condition

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Surfaces should be clean and free of dust, oil, grease, paint, tar, wax-based curing agent, primer, sealer, concrete color stains, old adhesive residues (unless otherwise recommended by Technical Services), form release agent, and any deleterious substance or debris that may prevent, reduce, or affect adhesion or performance. Surfaces must be plumb and true to within 6 mm in 10 ft (3m). Remove all excess water and standing water, if any, allowing the surface to become almost dry to provide a saturated surface-dry (SSD) condition before installing the levelling.

### Mixing

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20–30% water or 4-6 litres of water for 20 kg of powder in a clean mixing vessel. Mix with a suitable mechanical stirrer or slow-speed drills (100–400 rpm). and mix until a uniform lump-free consistency is obtained.

### How to apply

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- Apply the tile adhesive using the notched trowel to create thick ridges.
- Apply the tile adhesive in upward, sweeping motions.
- Fix the tile carefully.
- Push your tile into the adhesive and give it a slight twist. This will bed it securely onto the wall and reduce the amount of air that can sit between the tile and wall surface.
- Use a rubber mallet to tap the tile down so the adhesive grips. Now, repeat until the wall, floor, or substrate is complete.
- Repeat this with the next tile, using spacers to separate the tiles as you go.
- Adjust the tile within 25 minutes if required.
- Water should not be added to try and regain its characteristics when tile adhesive crosses its pot life.

### Coverage

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A 20kg bag of **VitrOn Tile Adhesive TA02** will cover approximately 5 to 6 square meters of tiles at a bed thickness of 3mm (this is how thick the layer of adhesive is). The bed layer can be up to 12mm if needed.

### Features and Advantages

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- Extended open time and slip resistance.
- Excellent Workability
- For fixing all types of ceramic tiles for interior and exterior substrates, e.g., floors, kitchens, bathroom walls, corridors, lobbies, meeting rooms, halls, etc.
- Fast and economical
- Single component, add water to it, and it is ready to use.
- High bonding strength between substrate and tiles
- Self-curing adhesive.
- Resistant to water and serve weather conditions.
- Safe to use.
- Easily trowel able.
- Slip resistance comes with a longer pot life.
- Excellent adhesion properties

## Precautions

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- The floor or substrate to which tile adhesive is to be applied must be flat and in SSD (wet outside and dry inside).
- The uneven or extremely rough surfaces, if any, should be levelled with cement mortar or PAMR repair mortar.
- Protect the tiled surface from rain and frost for the first 24 hours.
- Keep out of reach of children, wear gloves, and wear safety PPE at the time of use.
- Never mix the dried mortar with water to use again.

## Shelf Life & Storage

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12 months from the date of manufacturing. The suitable ambient temperature is 5°C to 40°C. Keep the material in a dry place and avoid contact with moisture.

## Packing

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20/25/50 kg in HDPE bags.

## Other Products Categories available

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CONCRETE  
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