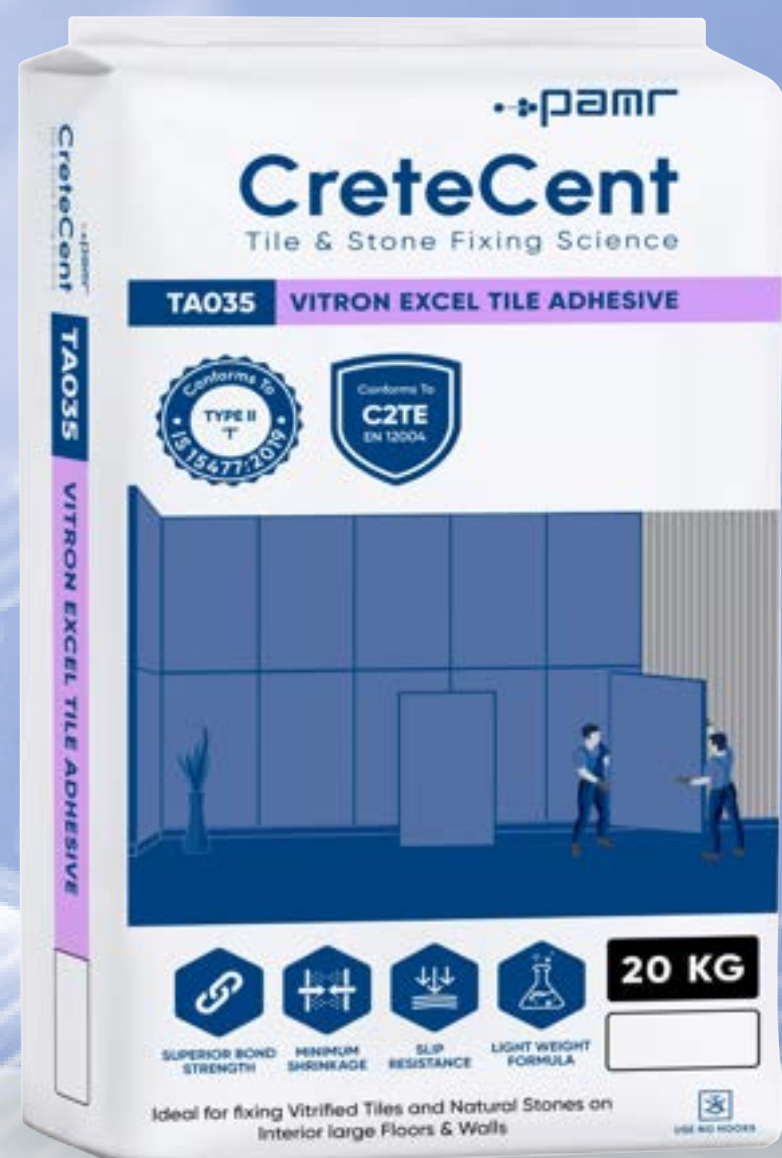


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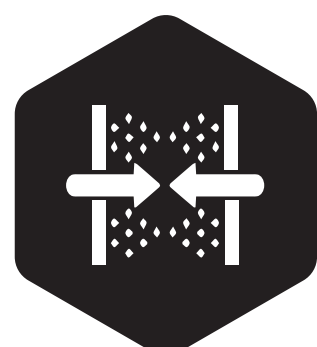
**CreteCent**  
Tile & Stone Fixing Science

# VITRON EXCEL TILE ADHESIVE TA035

High Performance Tile Adhesive  
with Reduced Slip and Extended  
Open Time



SUPERIOR BOND  
STRENGTH



MINIMUM  
SHRINKAGE



EASY  
APPLICATION



LIGHT WEIGHT  
FORMULA

## INTRODUCTION

VitrOn Excel Tile Adhesive TA035 is a single component specialty polymer modified tile adhesive with reduced slip and extended open time and improved mechanical properties for fixing for ceramic tiles, marbles, granite stones porcelain, large format vitrified/fully vitrified tiles, natural and engineers stone for interior and exterior floors and walls application in normal as well as critical service conditions.

### Specifications:

IS 15477-2019, Type -2T

EN 12004-2017 Type -C2TE

Technical Data	
Physical States	Cementitious Powder
Appearance	
Color	Grey/White
Mixed density	1.9 – 2.1 kg/liter
Open Time (IS 15477: 2019)	~ 30 minutes
Pot Life	~ 120 minutes
Adjustment Time (IS 15477: 2019)	~ 25 minutes
Slip Resistance (T) (IS 15477: 2019)	< 0.4 mm
Tensile Adhesion at Dry Condition (IS 15477: 2019)	Min. 1.0 N/mm <sup>2</sup>
Tensile Adhesion at Wet Condition (IS 15477: 2019)	Min. 1.0 N/mm <sup>2</sup>
Shear Adhesion at Dry Condition (IS 15477: 2019)	Min. 1.25 N/mm <sup>2</sup>
Shear Adhesion at Wet Condition (IS 15477: 2019)	Min. 1.0 N/mm <sup>2</sup>
Shear Adhesion at Heat Aging Conditions	Min. 1.0 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 1.5
Tensile Strength, N/mm <sup>2</sup> (Wet Condition)	1.0 (minimum)	1.0 to 1.3
Shear Adhesion, N/mm <sup>2</sup> (Dry Condition)	1.25 (minimum)	1.3 to 1.5
Shear Adhesion, N/mm <sup>2</sup> (Wet Condition)	1.0 (minimum)	1.0 to 1.4
Shear Adhesion, N/mm <sup>2</sup> (Heat Aging)	1.0 (minimum)	1.1 to 1.5
Slip resistance, mm, (T)	≥ 0.5	0.1 to 0.3

### Performance Data As per EN 12004-1 Type-C2TE

Tests	Requirements	Typical Value (Range)
Tensile Strength, N/mm <sup>2</sup> (Dry Condition)	≥ 1	1.1 to 1.4
Tensile Strength, N/mm <sup>2</sup> , after water immersion	≥ 1	1.0 to 1.3
Tensile Strength, N/mm <sup>2</sup> , after Heat aging	≥ 1	1.1 to 1.4
Tensile Strength, N/mm <sup>2</sup> after Freeze-Thaw cycles	≥ 1	1.0 to 1.3
Slip resistance, mm (T)	< 0.5	0.1 to 0.3
Extended Open Time, (>30 min) N/mm <sup>2</sup>	≥ 0.5 (Tensile Adhesion)	0.8 to 1.1

## 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 leveling.

### Mixing

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20-30% water or 4-6 litre water for 20 Kg 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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20kg bag of **VitrOn Excel Tile Adhesive TA035** 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 (E) and slip resistance (T).
- Excellent Workability
- Suitable for critical areas like continuous wet areas, swimming pools, water tanks, etc.
- Single component, add water to it, mix it and ready to use.
- High Bonding strength between substrate and tiles
- Medium traffic floors.
- Excellent bond strength in all conditions- dry wet and heat aging.
- Suitable on vertical surfaces even for bonding of large size tiles without slip.
- Self-curing adhesive.
- Resistant to water and severe weather conditions.
- Safe to use in water tanks.
- Easily trowelable
- Negligible to zero slip with longer pot life
- Excellent adhesion properties.

## Precautions

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- Floor or Substrate in which tile adhesive is to be applied, should be flat.
- The uneven or extremely rough surfaces, if any should be leveled with cement mortar or PAMR repairing mortar.
- Protect the tiled surface from rain and frost and foot traffic for the first 24 hours.
- Keep out of reach of children, wear gloves and wear safety PPEs at the time of using.
- 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

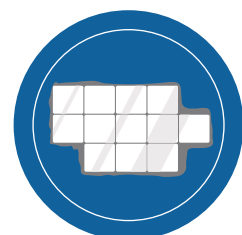
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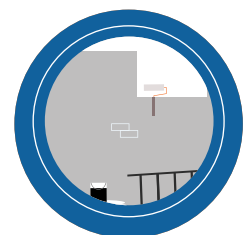
REPAIR MORTAR



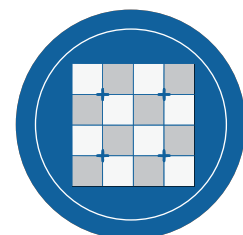
TILE & STONE  
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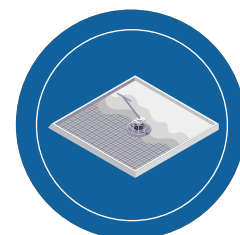
ADHESIVE &  
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HARDENERS



CONCRETE  
ADMIXTURES

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