

PRODUCT CODE - 5426

# Tile-on-Tile and Wall Application

Asian Paints SmartCare Tile Adhesive for Tile-on-Tile and Wall Application is a single component cement-based polymer modified adhesive for fixing tiles on walls and tiles over tiles on floors in interiors as well as exteriors. The product contains special additives that provide excellent bonding and grabbing properties.



## PRODUCT BENEFITS

### Specification

Meets the requirement of IS 15477:2019 and ISO 13007-1:2014 for Tile Adhesives

### Easy Application

Single component, ready-to use adhesive, provides easier application

### Excellent Adhesion and Slip Resistance

Provides excellent bonding of tiles with smooth surfaces of walls as well as with existing floor tiles to avoid removal of old tiles for re-tiling of floors

### No Pre-Soaking of Tiles

No need of pre-soaking of tiles and no water curing required post application

### Long Pot Life

Long pot life ensuring larger quantities of material being mixed and applied smoothly

### Greater Flexibility

Ensures to accommodate thermal and physical moments of the surface

### Water Resistant

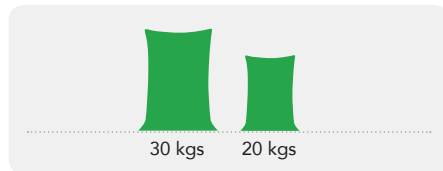
Low water absorption makes it water resistant and minimizes shrinkage cracks

### Ready for Use

Tiles becomes trafficable (ready for use) after 24 hours of fixing

## PRODUCT FEATURES

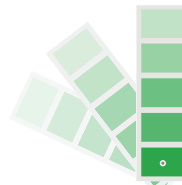
### AVAILABLE PACKS



Shelf life: 1 year from the date of manufacture. When stored in original packaging under normal dry conditions.

### COLOURS AVAILABLE

**Grey\***  
**& White**



\*Please note: Tile Adhesive for Tile-on-Tile and Wall Application is a Grey and White coloured free flowing powder.

### COVERAGE

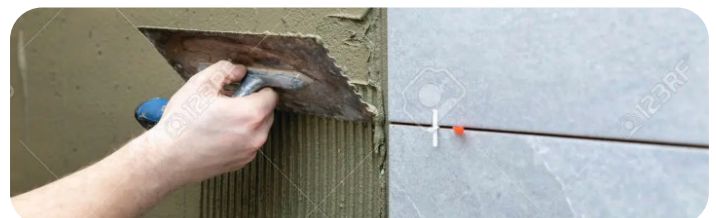


The actual coverage however might vary with the type of surface and it's flatness. For adequate coverage ensure that the surface is smooth, clean and devoid of any defects or undulations.

Physical Appearance	Shelf Life	Mixing Ratio (With Water)	Min bed thickness required
Free Flowing Powder	1 Year	23-25%	3-6 mm

## RECOMMENDED USAGE

Type of Usage	Area of Usage	Types of Substrates	Type of Tiles	Maximum Size of Tiles	Maximum height of Wall to Fix Tiles
Floor	Interior & Exterior	Existing tiles, cement-based screed, concrete slabs and cement terrazzo	Ceramic, porcelain and vitrified tiles	Upto 2X4 ft.	NA
Wall	Interior & Exterior	Cement based plaster, Concrete** & AAC blocks**	Ceramic, porcelain and vitrified tiles	Upto 2X4 ft.	10 ft.



## HOW TO APPLY

### APPLICATION PROCESS

#### APPLICATION PROCEDURE

- STEP 1 Surface to be tiled must be clean, free from dust, loose particles and any contamination and in SSD\* (Saturated Surface Dry) condition.
- STEP 2 Mix Tile Adhesive powder into water until a lump-free mortar consistency is achieved.
- STEP 3 Approx 7-8 litres of potable water is required for a 30 kg bag of tile adhesive. Use mechanical mixer to get uniform lump-free consistency.
- STEP 4 Apply Tile Adhesive on the floor or wall using trowel at a 3-6 mm thickness and comb with 6 mm notch trowel. Do not spread Tile Adhesive Paste in more than 1 sq m of area at a time.

#### APPLICATION PROCEDURE

- STEP 5 Apply Tile Adhesive Paste on the back side of the tiles as well and comb it using notch trowel for fixing on walls.
- STEP 6 Fix tiles firmly into position with a sliding motion and hammer gently with soft mallet to assume better bond and leave adequate joints between the tiles using spacers.
- STEP 7 Clean off excessive adhesive between the joints as well as on the tiles with a damp cloth. Leave the tiles untouched for at least 24 hours to get the adhesive dried properly.
- STEP 8 For best results, use Asian Paints SmartCare Epoxy or Cement Based Tile Grout to fill the joints / gaps of the tiles.

### TECHNICAL DETAILS

Conforms IS 15477:2019	Conforms ISO 13007-1:2014	Mix Density	Pot Life	Open Time	Adjustability Time	Curing Time
Type 2T	C2TE	1.85	2-3 hours	15-20 minutes	10 minutes	24 hours

#### Specifications for Type-2T Adhesives as per IS 15477:2019

Test Type	Requirements as per IS 15477:2019	Values for Tile Adhesive for Tile On Tile and Wall Application
Tensile Adhesion - Dry Condition (N/mm <sup>2</sup> )	Min. 1.0	1.0 – 1.5
Tensile Adhesion - Wet Condition (N/mm <sup>2</sup> )	Min. 1.0	1.0 – 1.5
Shear Adhesion - Dry Condition (N/mm <sup>2</sup> )	Min. 1.25	>1.25
Shear Adhesion - Wet Condition (N/mm <sup>2</sup> )	Min. 1.0	1.0 – 1.5
Shear Adhesion - Heat Ageing (N/mm <sup>2</sup> )	Min. 1.0	1.0 – 1.5
Slip (mm) – T	Less than 0.5	< 0.5

#### Specifications for C2TE Adhesives as per ISO 13007-1-2014

Test Type	Requirements as per ISO 13007-1-2014	Values for Tile Adhesive for Tile On Tile and Wall Application
Tensile Adhesion Strength at Room Temperature	C2 > 1.0 N/mm <sup>2</sup>	1.0 – 1.5
Tensile Adhesion Strength under water immersion	C2 > 1.0 N/mm <sup>2</sup>	1.0 – 1.5
Tensile Adhesion Strength after heat ageing	C2 > 1.0 N/mm <sup>2</sup>	1.0 – 1.5
Tensile Adhesion Strength after freeze thaw cycles	C2 > 1.0 N/mm <sup>2</sup>	1.0 – 1.5
Slip (T)	< 0.5 mm	< 0.5

## ADDITIONAL INFORMATION

### PRECAUTIONS

#### Do's

- > Always mix powder in water to get uniform lump-free paste
- > Surface of floor / wall should be sound, clean and SSD\*
- > Apply adhesive on both substrate and tiles by notch trowel

#### Don'ts

- > Don't fix tiles without applying adhesive on walls
- > Don't fix tiles in extreme low temperatures
- > Don't apply adhesive directly on damp surfaces

### SAFETY FEATURES

- > Kindly refer to the MSDS for Asian Paints SmartCare Tile Adhesive for Tile-on-Tile and Wall Application which gives detailed information on safety measures while handling the material
- > Store the bag tightly closed in a cool, dry place
- > Keep out of reach of children and away from eatables
- > May be harmful if swallowed. In case of ingestion seek immediate medical attention
- > Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and if required seek medical advice
- > It is recommended to wear suitable nose pad during surface preparation, mixing, application to avoid dust inhalation

\* SSD: Wash the floor / wall with clean water 2-3 hours before applying adhesive to get saturated surface dry (SSD) condition.