

PRODUCT CODE 5425

Tile Adhesive for Normal Application

Asian Paints SmartCare Tile Adhesive for Normal Application is a single component cement-based polymer modified adhesive for fixing tiles on interior floor. It can be used for fixing small ceramic tiles on interior walls.

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 mixture consisting of cement, sand and special additives

Excellent Adhesion

Excellent Adhesion and Slip Resistance

No Pre-Soaking of Tiles

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

Long Pot Life

Long pot life ensures larger quantities of material being mixed

Convenient

Less labour and time intensive

Water Resistant

Low water absorption makes it water resistant and minimizes shrinkage cracks

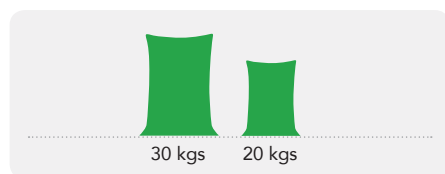
Ready for Use

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



PRODUCT FEATURES

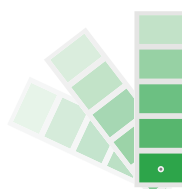
AVAILABLE PACKS



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

COLOURS AVAILABLE

Grey*



*Please note: Tile Adhesive for normal application is a Grey 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	Cement screed / plaster and concrete slabs	Ceramic, porcelain and vitrified tiles	Upto 2X2 ft.	NA
Wall	Interior	Cement based plaster	Ceramic tiles only	Upto 1X2 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 1T	C1T	1.85	2-3 hours	10 minutes	5-10 minutes	24 hours

Specifications for Type-1T Adhesives as per IS 15477:2019

Test Type	Requirements as per IS 15477:2019	Values of Normal Tile Adhesive
Tensile Adhesion - Dry Condition (N/mm ²)	Min. 0.5	0.5 – 1.0
Shear Adhesion - Dry Condition (N/mm ²)	Min. 1.0	1.0 – 1.5
Slip (mm) - T	Less than 0.5	< 0.5

Specifications for C1T Adhesives as per ISO 13007-1-2014

Test Type	Requirements as per ISO 13007-1-2014	Values for Normal Tile Adhesive
Tensile Adhesion Strength at Room Temperature	C1 > 0.5 N/mm ²	0.5 – 1.0
Tensile Adhesion Strength under water immersion	C1 > 0.5 N/mm ²	0.5 – 1.0
Tensile Adhesion Strength after heat ageing	C1 > 0.5 N/mm ²	0.5 – 1.0
Tensile Adhesion Strength after freeze thaw cycles	C1 > 0.5 N/mm ²	0.5 – 1.0
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 on exterior walls using this adhesive
- Don't fix tiles over smooth surfaces (concrete / cement terrazzo)
- Don't fix tiles directly on damp surfaces

SAFETY FEATURES

- Kindly refer to the MSDS for Asian Paints SmartCare Tile Adhesive for Normal 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 and 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.