

SUPER STRONG PLUS TILE ADHESIVE SPP 401 FLOOR AND WALL TILE ADHESIVE

Product Description:

A Multipurpose, high polymer modified powder offering vast utility including applications for floor & wall in interior & exterior areas. It is a cementations powder to be mixed only with water to install various types of medium & large tiles, granite marble and glass tiles on a variety of substrates.

Application:

Designed specially for interiors, exterior floor & wall installation of all types of ceramic tiles, vitreous tiles, semi-vitreous tiles, glass mosaic tiles, precast terrazzo and natural stones, granite over concrete and a variety of substrates. Good underwater shear bond allows this product to be used for wet areas like swimming pools, sauna, water bodies and washrooms. Can be used for tile on tile applications and as slurry bond adhesive in wet on applications.

Suitable Substrates:

- Concrete.
- Cement mortar beds
- Ceramic tiles and stones.
- Cement Backer board
- Concrete masonry
- Cement Plaster
- Bricks masonry
- Cement Terrazzo

- Gypsum Wallboard (interior only)
- Natural stones.

Advantages:

- High Strength, polymer modified
- Fast setting (Rapid drying)
- Good working time
- Easy to use & part of MBS (Moisture barrier system)
- Smooth & creamy.
- Single component – Just add water

Coverage:

Approx 60-70 Sq. ft. per 20 Kg bag with a ¼" x ¼" (6mm x 6mm) square notch trowel a bed of 3mm.

Note : Coverage is based on the block size of 600mm X 200mm X 100mm

Shelf Life:

Factory packed bag of Sunplast Super Strong Plus Tile Adhesive carries a shelf life of 1 Year*, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site, the information should be treated as a general guideline.

Packaging: 20 Kg Bags

Colour : Grey

TECHNICAL DATA

Applicable Standard:

Sunplast Super Strong Plus tile adhesive e complies to requirements of IS 15477 : 2019 - Type 4 'T' "Specification for Adhesives for use with Ceramic & Vitrified Tiles".

TECHNICAL INFORMATION:

Testing Properties	Unit	Requirement	Test Results
Physical Appearance	NA	Cementitious Free Flow Grey Powder	Cementitious free flow Grey powder
Water: Powder ratio	%	20 – 30	30
Open Time	Minute	15 – 20	Approx 16 – 20 minutes
Adjustability	Minute	10 – 15	Approx 12 – 15 minutes
Pot Life	Minute	85 – 120	Approx 100 minutes
Notching	-	Continue, without break	Continue, without break
Coverage	Sqft/kg	-	3.99 Sqft
Tensile Adhesion Dry Condition 28 Days	N/mm ²	≥ 1.5	1.50 – 1.70 N/mm ²
Tensile Adhesion Wet Condition 28 Days	N/mm ²	≥ 1.0	1.00 – 1.20 N/mm ²
Shear Adhesion Dry Condition 28 Days	N/mm ²	≥ 1.5	1.50 – 1.80 N/mm ²
Shear Adhesion heat Aging Condition 28 Days	N/mm ²	≥ 1.0	1.00 – 1.20 N/mm ²
Shear Adhesion Wet Condition 28 Days	N/mm ²	≥ 1.0	1.00 – 1.20 N/mm ²

Note : Test results are indicative as per testing method specified in standard. Test results may vary as per substrate, site condition & testing machine etc. Actual field performance will depend on installation methods and site conditions.

APPLICATION INSTRUCTIONS :

- The substrate must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- The surface to be tiled should be sound and thoroughly cleaned. It should be free from wax, grease, polish, etc.
- Dry, dusty surfaces should be dampened with water & excess water should be swept off.
- Add 3.5 - 4 parts of powder to 1 part of water.
- Mix with a trowel or slow-speed drills (50 - 100 rpm) until a lump-free homogeneous paste is obtained
- Leave mixture for 5 minutes before applying

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- Spread the adhesive to a thickness of approx. 3 - 6 mm and comb with a notched trowel. Strictly apply the adhesive paste which can be tiled within 10 to 15 minutes.
- Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained
- Leave no voids behind tiles and stone.
- leave adequate joints between individual wall and floor tiles using spacers. The joint width shall be as per the recommendation of architect/ engineer
- Clean off extra adhesive from the tile and stone face and between joints

PRECAUTIONS & NOTE

- Always add powder to water.
- Do not add excess water than recommended.
- Never add sand & cement at site.
- Do not use on wet screed. Surface must be fully cured.
- Do not use the adhesive to correct surface irregularities greater than 15 mm.
- Protect from direct rainfall/ foot traffic for at least 24 hours.
- Leave gap between the tile and stone & fill gaps with Sunplast SPP-51 tile grout.
- Designer/ applicator must evaluate the use of an additional mechanical fastening system for extra security for more than 3m height (such as steel hooks fastened to the substrate).

Cautions:

- During cold weather, protect finished work from use until fully cured.
- Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water at least for 15 minutes and seek medical help if burning continues.
- Do not take internally. Silica sand may serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children

Warranty:

Sunplast Product warrants that Sunplast Tile Adhesive (SPP 401), Thin bed mortar is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of One (1) Year from date of manufacture, subject to the terms and conditions stated in Sunplast Product Warranty.

CONDITIONS OF SALE

- Sold subject to the Company's conditions of sale which are available on request.

AVAILABILITY

For distributor information:

Email id – sunplast.factory@gmail.com

Web – sunplastproduct.com