

JSW TYLFIX TYPE 4 (WHITE)

TILE ADHESIVE FOR FLOOR, WALL & TILE ON TILE

DESCRIPTION

JSW TYLFIX TYPE 4 (WHITE) is ideal for internal and external wall & floor applications of large size Italian marble, porcelain tiles, glass mosaic tiles, Natural and artificial stone, tile-on-tile applications, tiles over dry walls, translucent tiles.

FEATURES AND ADVANTAGES

- Easy to use - just add water on site, ready to use.
- Ideal product for tiles and stone tiles on exterior wall substrates like plaster or concrete.
- Highly polymer modified – provides high adhesion strength to bond with variety of substrates for fixing a variety of tiles and stones.
- Sag resistant formula: provides hassle-free application on vertical walls.
- Water resistant - suitable for wet areas.
- Sustain heat ageing, making it deal for high temperature locations.
- Deformable adhesive with extended open time.
- Low VOC - for healthy living

METHOD OF APPLICATION

- The surface to be tiled should be sound and thoroughly cleaned. Old surface should be free from wax, grease, polish etc.
- JSW Tylfix Adhesive Type 4 White Powder with water/powder 0.22 to 0.24. At site, addition of water shall be adjusted to attain desired consistency. Do not put water into the powder. Mix with a trowel / slow speed drills (50 - 100 rpm) until a lump free homogeneous paste is obtained.
- Always mix the required quantity, which can be consumed within the prescribed pot life adopting the mixing proportion mentioned above.
- Leave the mixture for 5 min. before using.
- Spread the adhesive to a thickness and comb with a notched trowel to ensure full bedding of the tile. Strictly apply the adhesive paste which can be tile fixed with in 30 mins.
- Intermittently touch the adhesive paste on substrate by finger. If the adhesive sticks to fingers then continue tiling and if a skin has formed, remove the dried adhesive and apply fresh adhesive.
- Start placing the tiles on the surface to be tiled. Tap the tiles properly to ensure complete coverage of the backside of tiles and to eliminate the possibility of any air voids
- Keep joints between two-tiles using Tile Spacers
- Allow tiling to set for 24 hours and start filling joints next day with Tylfix Grout.
- After grouting clean and polish tiles with a damp sponge or cloth. To remove Hard Stains use Tile Cleaner.

APPLICATION INSTRUCTIONS

Substrate Preparation

- The substrate must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising.
- All surfaces must be plumb and true to within 6 mm in 10 ft (3m).
- Dry, dusty surfaces should be dampened with water & excess water should be swept off.
- New concrete slabs shall be damp cured and 28 days old before application which will reduce the shrinkage from tile fixing surface.
- Expansion joints to be provided & filled with suitable sealant.
- Do not cover expansion joints with thin set tile adhesive/ tile.

Mixing

- Add 3 – 3.5 parts of powder to 1 part of water or 4 – 4.4 litre water for 20 Kg powder in a clean mixing vessel.
- Adjust the water as per desired consistency.
- Mix with a suitable mechanical stirrer or slow speed drills (50 - 100 rpm) until a lump free homogeneous paste is obtained.
- Always mix required quantity, which can be consumed within pot life.
- Leave mixture for 5 minutes before use.
- No further water should be added.

STANDARD COMPLIANCE

IS : 15477:2019 TYPE IV 'T S1', C2TES1 (Cementitious improved performance slip resistant, deformable adhesive with extended open time) as per EN12004:2017/ISO 13007.

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TECHNICAL DATA

PARAMETERS	RESULTS
Tentative Mixing Ratio (Powder: Water) White	3-3.5: 1 by volume, 1 : 0.2 to 0.22 by weight
Mixed Density	1.8 - 2.0 kg/ litre
Table Flow	180 mm
Open Time (IS 15477: 2019)	Approx. 40 minutes
Adjustability (IS 15477: 2019)	Approx. 30 minutes
Pot Life	Approx. 120 minutes
Tensile Adhesion Strength as per En1348	≥ 1.5 N/mm ²
Application Temperature (substrates and materials)	5° C to 35° C
Adhesive Thickness	3 - 12 mm
Setting/ Trafficable/ Grouting Time	24 hours

PERFORMANCE PROPERTIES AS PER IS EN 12004(C2TE)/ISO 13007

PARAMETERS	RESULTS
Tensile Adhesion Strength after 28 Days	1.0 - 1.6 N/mm ²
Tensile Adhesion Strength after water immersion	1.0 - 1.2 N/mm ²
Tensile Adhesion Strength after Heat ageing	1.0 - 1.2 N/mm ²
Tensile Adhesion Strength after Freeze Thraw cycle	1.0 - 1.2 N/mm ²

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 4 'T S1')

PARAMETERS	RESULTS
Tensile Adhesion at Dry Condition	1.5 - 1.7 N/mm ²
Tensile Adhesion at Wet condition	1.0 - 1.2 N/mm ²
Shear Adhesion at Dry Condition	1.5 - 1.8 N/mm ²
Shear Adhesion at Wet condition	1.0 - 1.2 N/mm ²
Shear Adhesion at Heat Ageing	1.0 - 1.2 N/mm ²
Slip Resistance (T)	0.1 - 0.5 mm
Deformability (S1)	≥ 3.0 mm

COVERAGE

- Approx. 5 - 6 m²/ 20 kg Bag at 3 mm thickness (using 6 mm x 6 mm notch).
 - Approx. 2.5 - 3 m²/ 20 kg Bag at 6 mm thickness (using 12 mm x 12 mm notch).
 - Approx. 1.2 kg/ m² per mm of thickness.
- *Coverage will vary depending on trowel notch size, type, size of tile and substrate smoothness and evenness

PACK SIZE

- 20 kg bag

BEST BEFORE

- 12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature

SAFETY PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only. For more details please refer the relevant Material Safety Data Sheet, available on request

Disclaimer: JSW construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies of which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.