

JSW TYLFIX TYPE 4

TILE ADHESIVE FOR LARGE GLASS & STONE TILES AND DRY WALL

DESCRIPTION

JSW Tylfix Type-4 is a highly polymer-modified cement-based powdered tile adhesive for fixing all types of ceramics, clay tiles, basalt tiles, semi-vitreous tile, vitrified tiles, glass mosaic tiles, porcelain tiles & natural stones of regular size and also intended for the installation on drywall board substrates like gypsum boards, plywood, wood, calcium silicate boards, medium density fibre boards, fibre cement boards, cement boards, bison panels, etc.



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
- Sustains heat aging, making it ideal for high temperature locations
- Deformable adhesive with extended open time
- Low VOC - for healthier living

AREAS OF APPLICATION

- Flooring and walls, for internal applications & external shaded areas, external areas, dry & wet areas, new constructions & renovations, domestic applications, commercial applications.

METHOD OF APPLICATION

- The surface to be tiled should be sound and thoroughly cleaned. Old surfaces should be free from wax, grease, polish, etc.
- JSW Tylfix Type-4 Adhesive powder with water/ powder 0.22 - 0.24. On 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 only the required quantity, which can be consumed within the prescribed pot life adopting the mixing proportion mentioned above
- Leave the mixture for 5 minutes 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 within 30 minutes
- Keep joints between two tiles using tile spacers
- Allow tiling to set for 24 hours and start filling joints the 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 levelled, 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 litres of 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 only the required quantities, which can be consumed within pot life
- Leave mixture for 5 minutes before use
- No further water should be added

STANDARD SPECIFICATION

IS : 15477:2019 TYPE 4 'T', C2TES1 (cementitious improved performance slip-resistant, deformable adhesive with extended open time) as per EN 12004:2017

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TECHNICAL DATA

PARAMETERS	RESULTS
Tentative mixing ratio (Powder: Water) Grey	3 - 3.5 : 1 by volume, 1 : 0.2 - 0.22 by weight
Mixed density	1.8 - 2.0 kg/ ltr
Table flow	190 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 & materials)	5°C to 35°C
Adhesive thickness	3 - 12 mm
Setting/ trafficable/ grouting time	24 hours

PERFORMANCE PROPERTIES AS PER EN 12004(R2T)/ 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
Shear adhesion as per heat aging	1.0 - 1.2 N/ mm ²
Tensile adhesions strength after freeze thaw cycle	1.0 - 1.2 N/ mm ²

PERFORMANCE PROPERTIES AS PER EN 12004(R2T)/ ISO 13007

PARAMETERS	RESULTS
Tensile adhesion in dry condition	1.5 - 1.7 N/ mm ²
Tensile adhesion in wet condition	1.0 - 1.2 N/ mm ²
Shear adhesion in dry condition	1.5 - 1.8 N/ mm ²
Shear adhesion in wet condition	1.0 - 1.2 N/ mm ²
Shear Adhesion as per heat aging	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 in dry and under cover, out of direct sunlight, dampproof condition and protect from extreme

SAFETY PRECAUTIONS

- Keep away from 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.

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