

## JSW TYLFIX TYPE 5 PU LASTIC

### PU ADHESIVE FOR CERAMIC TILES AND STONE MATERIAL

#### DESCRIPTION

**JSW TYLFIX TYPE 5 PU LASTIC** is Two-component, PU Resin Based, high-performance, polyurethane adhesives is an improved (2) reaction adhesive (R) classified as class R2T. It is a high performance, PU resin based multipurpose tile adhesive for fixing ceramic tiles marble, stone cladding and brick slips in interior or exterior situations.

#### FEATURES AND ADVANTAGES

- Waterproof – immersion will not affect adhesion.
- Non-slip has excellent grab properties.
- Precision made.
- Forms a watertight barrier.
- High adhesive bond strength.
- Long open time.
- Flexible

#### AREAS OF APPLICATION

- Installing ceramic tiles and stone materials on surfaces prone to vibrations and deflections.
- Affixing ceramic tiles, stone materials, and mosaics on outdoor areas like balconies, terraces, domes, or flat roofs exposed to foot traffic.
- Attaching ceramic tiles and mosaics onto wooden countertops or within kitchen areas to establish a waterproof base.
- Adhering ceramic tiles, stone materials, and various types of mosaics within showers and on pre-fabricated bathroom panels.

#### METHOD OF APPLICATION

##### Surface Preparation:

The substrate must be solid, clean and load-bearing. Oil stains, bond-inhibiting surfaces and contaminations must be thoroughly removed. Freshly installed cement screeds must not have residual moisture content above 5%. Tiles must be dry, and their surfaces free of contaminants that could impair adhesion. Do not soak tiles in water before laying. Timber surfaces should be checked to ensure rigidity and soundness to accept the additional loading without deflection. Provision must be made to ensure adequate ventilation beneath tiled timber flooring. Tongue and groove, parquet and sprung floorings must first be strengthened by screwing 12mm thick exterior grade plywood at 200mm centers onto the existing timber base. Timber partition walls should be stiffened by screwing at 200mm centers onto studding, in both directions.

##### Mixing and Application:

**JSW Tylfix Type 5 PU Lastic** adhesive is prepared by blending parts A and B from bottom to top, employing a low-revolution (approximately 400/min.) helical agitator, maintaining the preset ratio of 4.4 : 0.6 between the packs. Pour part B into the bucket holding part A, ensuring thorough mixing of the two components until achieving a consistently smooth and uniformly colored mixture. The user should prepare an amount of adhesive that can be utilized within one hour at a temperature of +25°C and 50% relative humidity.

##### Placing:

Apply adhesive onto the substrate using the flat side of the trowel, exerting pressure to ensure it is worked into the surface. Then, apply additional adhesive using the notched side of the trowel. Use an appropriately sized notched trowel to ensure the tile is fully bedded. Spread only as much adhesive as can be covered with tile within a 10-minute window. For large format tiles (>12" x 12"), back buttering is recommended to ensure full bedding and strong support. Place tiles into the wet, sticky adhesive and gently tap them in using a beating block and rubber mallet to embed the tile and adjust its level. Periodically check for complete adhesive coverage by removing a tile/stone and inspecting the transfer of adhesive onto the back of the tile/stone. If the adhesive has developed a skin (is no longer sticky), remove and replace it with fresh adhesive. The consumption varies as per the requirement thus refer to coverage section for details.

#### APPLICATION PRECAUTION

- Do not use on very damp surfaces or where there is a risk of rising damp.
- The packs are pre-measured, therefore mixing errors are impossible. Do not use partial quantities. A wrong mixing ratio could cause damage during the curing process.
- Use the products in temperatures between +10°C and +30°C.
- In case of use on surfaces subject to continuous immersion in water, consult the JSW Technical Team department beforehand.
- Do not use **JSW Tylfix Type 5 PU Lastic** to bond transparent glass materials.

## TECHNICAL DATASHEET

JSW TYLFIX TYPE 5 PU  
LASTIC

## PU ADHESIVE FOR CERAMIC TILES AND STONE MATERIAL

## TYPICAL PROPERTIES

Consistency	Thixotropic
Mixing Ratio, by weight (A:B)	4.4 : 0.6
Mix Density	1.5 Kg/Liter
Open Time	50 min. at 25°C
Pot Life	3-40 Mins at 25°C
Temperature resistance	- 20°C to 80°C
Ready to Light Foot Traffic	12 Hours
Ready to use	7 Days
Tensile Adhesion (EN 12003)	>2.0 MPa
Initial shear adhesion(EN 12003)	>2.6 MPa
Shear adhesion (water immersion) (EN 12003)	>2.0 MPa
Shear adhesion (thermal shock) (EN 12003)	>2.4 MPa
Deformability	Deformable

## CONSUMPTION

## Type of Tile/Stone

Mosaics and small size tiles	2.5 kg/m <sup>2</sup>
Normal size tiles	3.5 kg/m <sup>2</sup>
Large size tiles, marble, stones (back buttering)	5 kg/m <sup>2</sup>

## PACKAGING

1 kg, 5 kg Bucket

## BEST BEFORE

12 Months from the date of Manufacture.

Store under cover, out of direct sunlight and protect from extremes of temperature.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin, and foodstuffs (which can also be tainted with vapor until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals.

**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 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.