



Master PUA 555

Modified PU Adhesive R2T / Type 5 TS2



ISO 9001:2015



Smart Cities & Green Building Concept in India

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Description

Master PUA 555 is a two-part modified polyurethane multipurpose adhesive for fixing all types of tiles and stones on a variety of substrates in interior and exterior areas on either walls or floor. Suitable for various dry wall substrate including metal.

Features and Benefits

- Two components, just mix and use
- Suitable for tile and stone cladding on high rise buildings
- High bond strength and chemical resistance
- Bonds to various substrate including wood, metals, rubber and linoleum
- Epoxy or PU base substrate
- Install tiles and stone on glass surface
- Heat resistant and flexible
- Water, freezing, thermal shock resistant
- Non – sag and Non – shrink

Application Methodology

Surface preparation

The substrate must be clean, dry and free from any contaminants such as dirt, grease, oil, which must be completely removed prior to installation. Substrates must be compact and dry, free from any rising dampness. It should be being sound and strong enough to support the weight of the tiles or stone being fixed.

Mixing

- Add Part B to Part A and mix with a drill and paddle on a slow speed until a homogenous and uniform coloured paste is achieved.
- Allow the mixture to slake for 2 – 3 minutes, and then re-mix before application.
- The adhesive should have a proper consistency, allowing it to be easily applied with the appropriate size notched trowel without sagging

Application

Spread the mixed adhesive using a suitable notched trowel of the type and dimensions most appropriate for the format and type of tiles used. Apply the mix evenly as much material that can be tiled within the product's working time. Place the tiles and adjust to the correct position. Do not apply to substrates that have a 0 temperature of less than 12 C or greater than 40 C. Master PUA 555 should not be used on the substrate having rising moisture problem or moisture content of more than 4%. Back butter large format tiles to provide full bedding and firm support. Place tiles into wet, sticky adhesive and tamp using a beating block or rubber mallet to fix tile and adjust level.

Spacer

Use Maxx Spacer for uniform joint width.

NOTCHED TROWEL GUIDELINES

This table offers a general guideline on selecting a notch trowel

Trowel size in mm (H x W)	Bed Thickness
3 x 3	1.5 – 2 mm
6 x 6	3 – 3.5 mm

Technical Information

Appearance	off white
Mix density	1600–1700 kg/m ³
Mixing ratio	4 (Part A) – 1 (Part B) by weight
Pot life	>1 Hour
Open time	>1 Hour
Adjustability	>1 Hour
Vertical slip	0.5 mm
Foot traffic	24 Hours
Shelf life	12 Months

PERFORMANCE PROPERTIES AS PER IS 15477: 2019 (TYPE 5TS2)

Test	Requirement	Typical Value
Tensile adhesion strength - dry Condition@28 days	>2 Mpa	2.2 – 2.3 Mpa
Shear adhesion strength – dry condition @28 days	>6 Mpa	6.1 – 6.2 Mpa
Shear adhesion strength – heat aging condition@28 days	>3 Mpa	3.2 – 3.3 Mpa
Deformability	>5 .0 mm	5 – 5.1 mm
Slip resistance (T)	<0.5 mm	0.1 – 0.2 mm

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

Test	Requirement	Typical Value
Tensile adhesion strength - dry Condition@28 days	>0.5 N/mm ²	0.6 N/mm ²
Shear adhesion strength Initial After water immersion After thermal shock	>2.0 N/mm ² >2.0 N/mm ² >2.0 N/mm ²	2.2 – 2.3 N/mm ² 2.2 – 2.3 N/mm ² 2.1 – 2.2 N/mm ²
Slip resistance (T)	<0.5 mm	0.2mm

Packaging : 4 Kg & 12 Kg

Coverage : 1.5 kg/m /mm (*Subject to tile & substrate evenness)

Cleaning : Tools and containers may be cleaned using suitable industrial solvents when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically

Storage And Shelf Life : Master PU 555 has a shelf life of 12 months when stored in normal dry conditions

Precaution: 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.

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An ISO 9001 : 2015 Company

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