Product Data Sheet– MT290 Adhesive and Sealant

Description:

Our MT290- Stair Nosing and Construction Adhesive is perfect for bonding and sealing a wide range of substrates in a variety of applications to create structural or non-structural bonds. It has a fast cure time and has the benefit of being solvent and water free, while consisting of only one component. MT290- Stair Nosing and Construction Adhesive provides an excellent bond on many construction applications thanks to its high initial grab and elastic properties .

MT290- Stair Nosing and Construction Adhesive is based on an MS polymer adhesive which provides its excellent bond strength, elasticity, good resistance to UV, and allows it to be applied to damp surfaces. MT290 also makes an excellent sealant and has the benefit of being over paintable with all water based paints.



Suitable for use:

- For Fixing Stair Nosing to various substrates such as wood, stone and concrete.
- For bonding insert strips into wooden, concrete, and stone stairs.
- Carpet gripper and door bar bonding.
- Interior and exterior applications.

Principal features/benefits of use:

- Formulated to have a fast skinning time
- Sandable and grindable once fully cured.
- Good resistance to discolouration, UV, weather, water, moisture, fungus and ageing.
- Universal and user-friendly product to seal, adhere and install anything, both indoors and out.





Products with this symbol have the best results, apply this product with our MT290 adhesive.



This product is covered by our multitread® 10 years warranty.

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Technical Properties:

Durable, retains elasticity, maximum movement capacity of 25%.
High mechanical resistance and ultimate strength, fast-curing and fast-strengthening.
No staining or bleeding on porous materials, such as natural stone, and no edge contamination.
Free of isocyanate, solvents and silicone.
Very low emission: certified EMICODE EC1 PLUS, BREEAM, EUROFINS LEEDS® and VOC emission class A+
Odourless, bubble-free and non-shrink fast-curing CE-certified MS-Polymer® system.
Compatible in direct contact with the silver coating on mirrors and PVB-film on laminated glass.
Usable wet-on-wet, repair with the same material.
Non-corrosive to metals.

Chemical Base	MS Polymer
Colour	White
Density g/ml	1.53
Viscosity mm ISO 7390	<2
Shore A Hardness (DIN 53505)	60
Elongation at break (ASTM D412)	>300%
Modulus @ 100% (DIN 53504)	1.35 MPA
Tensile Strength (DIN 53504)	2.2 MPA
Temperature Resistance (cured)	-40/+100
Curing Speed (23°C/55% RH)	2-3mm 24 hours
Skin formation (23°C/55% RH)	< 10 minutes

***Mechanical Values based on 2mm film**

Preparation and application:

Ensure that the surfaces to be bonded are smooth, clean and free from dust, grease, or other deposits. Recommended application temperature is within the range of 5°C to 35°C. Insert the cartridge into a suitable applicator, e.g. a skeleton gun, or pneumatic applicator. Slit the cap and screw on the nozzle. If required, slit the nozzle to increase the size of the orifice. Dispense the bead(s) of adhesive on one side of the substrates to be bonded. Bring substrates together and apply pressure to ensure full contact.

Handling and Storage:

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 15 months after the production date.

Limitations:

Not suitable for continuous water loads or dilation joints. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. We recommend testing the adhesion and the material and paint compatibility in advance. Health & safety Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

Warranty:

MS5 is warrantied against premature wear for a period of 10 years, subject to terms and conditions. please ask to see our full performance warranty information.

The information contained on this data sheet is current at the time of printing. Due to continuing development in machinery and materials, we reserve the right to modify the formulation without notice. The above information is given as a guide to the uses of multitread® it is the responsibility of the user to ensue the suitability for specific applications. All recommendations statements and technical data contained herein are based on tests we believe to be accurate and reliable, but accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, either express or implied. The user shall rely on their own information and tests in determining suitability of the product for the intended use and assumes all risks and liability from their use of the product. Sellers and manufacturers sole responsibility shall be to replace that portion of this manufacture which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from the use of the product. Recommendations or statements other than contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.