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Neodur® Polyurea M

Transparent aliphatic polyurea system, ideal for marble and concrete fast repairing

Description of the product

Transparent aliphatic polyurea system, ideal for the repairing of marbles and concrete. It offers fast curing, high mechanical strength and is permanently resistant to UV radiation without yellowing.

Properties

- Ideal for white marbles
 - High resistance to bending, compression and abrasion
 - High resistance to UV. Non-yellowing, even after many years
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Technical characteristics

Appearance	Transparent
Density	1,1g/cm ³
Dosage (by weight)	1:1
Hardening time (at +25°C)	6 hours
Pot life at +25°C	10 minutes
Full hardening	3 days
Service temperature	-30°C to +80°C
Application temperature	0°C up to +35°C
Abrasion resistance (ASTM D4060)	61 mg (TABER TEST, CS 10/1000/1000)
Adhesion strength (EN 13892-8)	≥ 3 N/mm ²
Accelerated Weathering Test (ASTM G154)	6700h/Pass without chalking or discoloration

(Low temperatures and high humidity during application prolong drying time, while high temperatures decrease it)

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Instructions for use

Surface preparation: Clean the surface from dust, loose particles, oil and grease with air, mechanical removal or washing with water or solvents. The surface must be dry (moisture level <4%), stable and protected from rising damp.

Applications: After stirring of component A & B in the appropriate proportion, add the aggregate material (e.g. powder of marble) until the mixture would be a homogeneous viscous material. Apply the mixture on the surface and spread it well with a straight spatula filling the gapes. When the material is fully cured, scrub the surface.

Concrete substrate after the primer has dried, any existing imperfections (cracks, holes) should be filled using **Neodur® Polyurea M** mixed with quartz sand M-32 or M300 in proportions of 1:1-1:2 by weight. The substrate 2 hours after can be rub and then apply the first layer of epoxy, polyurethane or polyaspartic coating.

To apply **Neodur® Polyurea M** as a primer before **Neodur® Fast Track**, **Neodur® FT Clear**, **Neodur® FT Elastic** diluted with **Neotex® PU 0413** (50-60%) with a consumption of 50 gr/m²

Special Notes

- After stirring the entire mixture, leave it in the can for 1 minute and then spread immediately all the material onto the surface, to avoid the polymerization of the product into the container.
- Due to the quick curing rate and drying time, it is suggested to thoroughly evaluate the product before using. Mix as much material as you can apply within its pot life.

Cleaning of tools

Use solvent **Neotex® 1021** immediately after the application.

Stain removal

Use solvent **Neotex® 1021** when the stain is still fresh and damp. In case of hardened stains, use mechanical means.

Packing

Sets of 2kg A+B

Storage stability

The product is usable for 1 year when kept unopened in its original container, protected from frost and direct sunlight.

Component B must be stored in absolutely dry place protected from frost and humidity. If the container opens it should be consumed quickly in case of contact with ambient moisture it can be polymerized into the container.