NEOTEX S.A.
CONSTRUCTION CHEMICALS SINCE 1959
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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. Suitable also for white marbles.
Properties	• High resistance to bending, compression and abrasion • Exceptional resistance to UV. Non-yellowing, even after many years • High resistance to chemicals (dilute acids, alkalis) • Fast drying

Technical characteristics

Appearance	Transparent
Density	1,1g/cm^3
Mixing ratio A:B (by weight)	1:1
Abrasion resistance (pure resin, ASTM D4060)	42 mg (Taber Test, CS 10/1000/1000)
Adhesion strength (EN 13892-8)	≥3N/mm^2
Service temperature	min. -30˚C / max. +80°C
Accelerated Weathering Test (ASTM G154)	Pass (6.700h, without chalking or discoloration)
Substrate humidity	<4%
Relative air humidity	<65%
Application temperature	min. 0°C / max. +35°C
Pot life (+25°C)	10 minutes
Dry to recoat (+25°C)	2-3 hours (depending also on its use)
Total hardening	~3 days

Low temperatures during application and/or curing prolong the above times, while high temperatures and humidity decrease them

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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 content <4%), stable, clean and protected from rising damp.

Application:

Repairing of marbles: After mixing and stirring of components A & B in the appropriate proportion, add the aggregate material (e.g. powder of marble) until the mixture becomes a homogeneous viscous material. Apply the mixture on the surface and spread it well with a straight trowel filling the gaps. When the material is fully cured, scrub the surface.

Repairing of concrete: 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 surface may be sanded after 2 hours and it may then be overcoated by a compatible paint or self-leveling system (e.g. polyaspartic, epoxy, PU-based)

Priming application: **Neodur® Polyurea M** may also be applied as a primer prior to **Neodur® Fast Track**, **Neodur® FT Clear** or **Neodur® FT Elastic,** diluted with **Neotex® PU 0413** (50-60%) with a consumption of ~50 gr/m^2

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 hardening of the product inside the container.
- Due to the quick curing rate and drying time, it is proposed to thoroughly evaluate the needed product quantity 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 (A+B) of 20kg and 2kg

Storage stability

1 year, stored in its original sealed packing, in an absolutely dry place protected from frost, humidity and exposure to sunlight. Component B may harden inside its can, in case it comes in contact with ambient moisture