



TECNOTOP S-3000 T - TRANSPARENT, ALIPHATIC AND TRANSPARENT ROLLABLE COLD POLYUREA-BASED RESIN FOR HIGH QUALITY COATINGS

Two component, aliphatic, transparent and glossy finish, rollable cold polyurea-based resin. Once dried, it forms a hard, strong seamless and continuous film, with excellent adhesion and mechanical properties, resistant to weathering, extreme temperatures, resistant to the UV radiation(outdoor and indoor applications)and suitable for coating protection for traffic-car.

USES

For application in the following situations:

- Heavy and intense traffic pavements such as garages, parking lots, shopping centers.
- Floors with high decontamination and cleaning requirements such as in chemical and food industries
- Coating for roofs, balconies and terraces

NOTE:call our technical department about the application to other substrates or scopes of use

Density	±1.00 g/cm ³
Tensile strength	>10MPa
Elongation at break	>80%
Pot-life	±30 minutes
Dry time	±50minutes
Application method	By brush, by a short nap acrylic wool roller or“airless” equipment, or squeegee



COLORS

Transparent



GENERAL SPECIFICATIONS

- Two component, aliphatic, transparent and glossy finish, rollable cold polyurea-based resin. Once dried, it forms a hard, strong seamless and continuous film, with excellent adhesion and mechanical properties, resistant to weathering, extreme temperatures, resistant to the UV radiation(outdoor and indoor applications)and suitable for coating protection for traffic-car.
- Applicable on concrete substrates, cement for pavements, roofs, terraces, balconies.
- Quick start-up of the pavement (approximately 2 hours in pedestrian traffic, and 8~12 hours in light vehicular traffic)
- It must be applied in sound and resistant substrates, with no presence of humidity/water on the surface whether at the time of application or subsequently (pressure from phreatic water level, damp-water). In the event there is humidity in the substrate at the moment of application, use some of our primers.
- The final product is obtained by mixing 100% of the two components. If only part of the product is used, make sure that this ratio is always maintained to ensure that the final result retains the product's best qualities
- Do not add water in any case. Desmosolvent (max. 5%) can be added for ease of use
- Do not apply for swimming pool coatings

PACKAGING

Metallic pail kit of: 1.4 kg + 3.6 kg

STORAGE AND SHELF LIFE

12-months shelf life is stored in original containers in a dry environment at a temperature between 5-35 °C (41-95°F). Keep away from direct sunlight, extreme heat, cold or moisture. Once the tin has been opened, the product must be used.

APPLICATION METHOD

Cement or concrete substrates: Concrete should be completely cured (concrete curing takes 28 days) or, in any case, the maximum level of humidity allowed for the substrate should be verified, depending on the primer used. Concrete must be strong, cohesive and dry, having a correct planimetry, high surface resistance, eliminating laitance, graise, oils or release agents, without excessive irregularities. Therefore, the previous action of sanding, polishing, milling or shot-blasting will be assessed by the applicator to achieve a preparation of the substrate according to ICRI Guide 03732, CSP values 3 to 5. Existing holes or areas with a lack of material must be repaired using some of our epoxy resins: Primer EP-1020/Primer EP-1010. Mastic PU must be used on fissures or small cracks on the surface. In joints (width < 15 mm): remove old material, clean and fill with Mastic PU. In joints (width >15 mm): remove old material, clean and fill with Mastic PU. In structural/expansion joints: remove old material, clean and fill with Mastic PU. Complement with specific elastic bands and Tecnoband 100. General cleaning of the substrate. PRIMING: use Primer T. Apply by a short nap acrylic wool roller, squeegee or "airless" equipment (consumption: 250-500 g/sqm). Open pails of both components and homogenize each one by mixing equipment at medium speed. Pour component B into the container of component A. Mix using electric mixing equipment at medium speed, until a homogeneous product is obtained. Consumption: 250-500 g/sqm. In case of doubt, apply in a limited area to check



Ceramic substrates: Ceramic surfaces should not have empty joints or loose elements or parts. These should be filled with Mastic P-2049 mastic or mortar, according to their size. Existing joints or seals: remove the old material, clean up and fill with Mastic P-2049. Sanding with specific equipment. Thereby, to remove moss or solids particles bonded to the substrate, and opening the pore. Clean up, using a vacuum method. PRIMING: use Primer T. Apply by a short nap acrylic wool roller, squeegee or "airless" equipment (consumption: 250-500 g/sqm). Open pails of both components and homogenize each one by mixing equipment at medium speed. Pour component B into the container of component A. Mix using electric mixing equipment at medium speed, until a homogeneous product is obtained. Consumption: 250-500 g/sqm. In case of doubt, apply in a limited area to check

NOTE: For other types of substrates, weather conditions or final use, consult our technical department.

HEALTH AND SAFETY

Respiratory Protection: When handling or spraying use an air-purifying respirator. Skin protection: Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking. Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air. Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations. Re-occupancy of the work site without respiratory equipment is minimum 24 hours providing the correct ventilation for the area sprayed. Contractors and applicators must comply with all applicable and appropriate guidelines for storage and safety guidelines. These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery. Dispose waste in accordance with star or/and local regulations.

TECHNICAL AND CHEMICAL PROPERTIES

PROPERTIES		RESULT
Density	ISO 1675	±1.00 g/cm ³
Viscosity	ISO 2555	±150 cps
Density components A/B	ISO 1675	±1.00 g/cm ³ - ±1.03 g/cm ³
Viscosity components A/B	ISO 2555	±35 cps - ±765 cps
Mixing ratio (by weight)		1:2.60
Solids content	ISO 1768	±82 %
VOC content		230 g/l comp A. + 100 g/l comp. B
Tensile strength	ISO 527-3	>10 MPa
Elongation at break	ISO 527-3	>80 %
Hardness Shore A/D at 7 days	DIN 53.505	>95/>55
Adherence to concrete		>1.5 MPa
Pot-life / dry time / cured time / recoat time		±30 minutes / ±50 minutes / 5 days / 1.5 ~ 2.5 hours
Walkable (pedestrian/ light vehicles)		±2 hours / 8~12 hours
Walkable (at -20 °C)		±8 hours
Application temperature range (substrate and environment)		-0~35 °C (32 to 95°F)
Use temperature range (environment)		-5 ~ 45 °C
Max. environmental moisture		±80 %



Results performed in the laboratory at 23°C (73°F) and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions.

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