



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

Two-component, aliphatic, transparent and glossy finish, 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:

- Pavements of heavy and intense traffic as for garages, car parks, malls.
- Pavements of high decontamination and cleaning requirements 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
Viscosity	150 cps
Tensile strength	>10 MPa
Elongation at break	>80%
Initial dry time	±40minutes
Recoat time	1,5 ~2,5 hours
Walkable (pedestrian/light traffic)	±2 hours / 8~12 hours



COLORS

Transparent



GENERAL SPECIFICATIONS

- Two-component, aliphatic, transparent and glossy finish, 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

SHELF LIFE

12 months at temperatures between 5° C and 35° C (41 °F to 95 °F), provided it is stored in a dry place. Once the tin has been opened, the product must be used.

MIXING PROCEDURE

These are the steps for the correct mixing of both components:

- 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

Cement or concrete surfaces

- Any depressions or voids should be repaired using a mix (ratio of $\pm 1:4$) of our epoxy resin Primer EP-1020 mixed with silica sand. This action can vary the color of substrate in these specific areas.
- Fill joints with MASTIC PU, polyurethane mastic. This action can vary the color of substrate in these specific areas.
- The 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.
- Any concrete latencies or release agents should be eliminated and an open-pore surface achieved by grit blasting, milling, or sanding.
- Clean up the surface or substrate, removing any dust, dirt, grease, or efflorescence.
- Apply a coat or PRIMER T on top of this clean substrate
- Apply by a short-nap roll, several layers of Tecnotop S-3000 T. Consumption in this type of application is approximately 250-500 g/m², depending on the roughness of the substrate.

Ceramic surfaces

- Support will be strong and dry.
- Clean up the surface, removing dust, oils and grasses, and existing chippings.



- We recommend applying on the substrate with the primer PrimerT with a clean cloth and allow drying (15 - 20 min).
- Apply by a short-nap roll, several layers of Tecnotop S-3000 T. Consumption in this type of application is approximately 250-500 g/m², depending on the roughness of the substrate.

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

HEALTH AND SAFETY

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.

- 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 generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the material and safety data sheet of the product (MSDS), or contact our technical department.

COMPLEMENTARY PRODUCTS

The following products can be applied as complements to their use. In this way, its physical-mechanical characteristics are protected and improved depending on its exposure, desired finish, or type of substrate:

- PRIMER EP-1010: epoxy resin with charges for filling existing holes in concrete or ceramic surfaces, to be applied in a single coat
- PRIMER T: adherence improver

TECHNICAL FEATURES

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 (volatile organic compounds)	230 g/l comp A. + 100 g/l comp. B
Tensile strength ISO 527-3	>10 MPa
Elongation at break ISO 527-3	>110 %
Hardness Shore A/D at 7 days DIN 53.505	>95/>55
Adherence to concrete	>1,5 MPa
Pot-life	±30 minutes
Initial dry time	±40 minutes
Cured time	5 days



Recoat time	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 °C ~ 35 °C (32°F to 95°F)
Use temperature range (environment)	-5 °C ~ 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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