



**TECNOTOP S-3000 T - TWO COMPONENT, HI-TECH TRANSPARENT, COLD POLYUREA BASED RESIN FOR HIGH QUALITY COATINGS**

Two-component, fluid, aliphatic and transparent coating, polyurea resin based. It has a high mechanical resistance. Cold application by a roll. Suitable for pavement and floor finishing (suitable for low external temperatures).



## USES

Flooring resin to use in the next 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.

**NOTE:** call our technical department about the application to other supports or situations

density at 23°C	±1,03 g/cm <sup>3</sup>
tensile strength at 23°C	>10 MPa
elongation at break at 23°C	>80%
shore A at 7 days at 23 °C	±95
solid content	±82%
recoat time at 23°C	±1,5 ~2,5 hours
passable (pedestrian) at 23°C	±2 hours
passable (pedestrian) at -20°C	±8 hours
passable (light traffic) at 23°C	±8~12 hours



## COLORS

Transparent
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## GENERAL FEATURES

- High fluidity, that allows the easy and quick application of the product
- Application by roll
- Excellent resistance to heavy traffic
- Coating concrete supports floors, roofs, balconies...
- Fast cured ( $\pm 2$  hours to allow the pedestrian traffic, and 8~12 hours for light vehicular traffic)
- Easy of maintenance, cleaning, and decontamination
- Excellent bond and great coverage
- A high percentage of solids
- Very good adherence to concrete
- 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.
- TECNOTOP S-3000 T should be applied in dry conditions avoiding the presence of humidity or water coming from the surface to be coated or the substrate, whether at the time of application or subsequently (pressure from phreatic water level)
- In the event there is humidity in the substrate at the time of application, consult the technical specifications of our primers where the maximum humidity ranges are specified
- Mix both components together well using a rod stirrer for around 2 minutes, or until the two components are completely mixed.
- Can be used outdoors and indoors situations (aliphatic behavior)
- Do not add water in any case
- You can add some DESMOSOLVENT (max. 5%) for an easier application
- The substrate and ambient temperatures must be at least 3 ° above the dew point at the time of application. Thereby the risk of condensation is reduced

## PACKAGING

Metal tins of: 1,4 + 3,6 kg

## SHELF LIFE

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

## APPLICATION METHOD

In general, you should take the following factors:

- repair the surface (fill in depressions, eliminate unevenness, eliminate any old waterproofing, etc.)
- singular points preparation(perimeter, sinks / evacuations, expansion joints or structural)
- clean up the surface or substrate, removing any dust, dirt, grease or efflorescence.
- the surface has to be enough compressive strength of adhesion of the membrane. If it were not so, we will proceed to apply our primers resins to achieve this target
- in case of doubt of all above, apply before in a restricted area and to check

The most common support to apply TECNOTOP S-3000 T is on concrete, please if you have to apply for another kind of supports/materials, contact our technical department.

### 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 can vary the color of support in these specific areas, from the original color of the



support

- fill joints with MASTIC PU, polyurethane mastic. This, can vary the color of support in these specific areas, from the original color of the support
- 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 the 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 of PRIMER T on top of this clean substrate
- apply by a short-haired roll, several layers of TECNOTOP S-3000 T. Consumption in this type of application is approximately 250-500 g/m<sup>2</sup>, 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 PRIMER T with a clean cloth and allow drying (15 - 20 min).
- apply by a short-haired roll, several layers of TECNOTOP S-3000 T. Consumption in this type of application is approximately 250-500 g/m<sup>2</sup>, depending on the roughness of the substrate.

In the case of using as a protection/sealing of TECNOTOP 2CP colored polyurethane resin in coatings of swimming pools, aquariums or similar, apply a thin coat of 150 g/m<sup>2</sup> and wait for fill with water 5-6 days ( to be sure that the curing process is ended)

#### Notes:

- Consult in all cases the waiting times, drying time, singular points treatment, conditions of application of all the products through the technical data sheets of each product, the technical handbook of application of TECNOCOAT , or consult our technical department.
- For other types of supports/substrates, for further information on the execution application procedure, for any additional questions, please, consult the technical data sheets (TDS) of these products, or our technical department.
- These guidelines are valid although they can be modified, according to the situation of the supports, conditioning of the bearing structures of the elements to be waterproofed, external climatology or situation at the time of application

## COMPLEMENTARY PRODUCTS

TECNOTOP S-3000 T may be complemented with the following products as a means of protection or to improve its physical-mechanical properties depending on its exposure, the desired finish or the type of substrate.

- PRIMER EP-1020: mixed with silica sand in a ratio of  $\pm 1:4$ , or calcium carbonate in ratio  $\pm 1:2$ , this is used to fill in depressions in concrete surfaces, rapidly providing a firm and fast drying even base.
- TECNOBAND 100: the cold bond deformable band made up of an upper layer of non-woven textile and a lower layer of viscoelastic self-adhesive coating, which together allow it to adapt to the shape of the substrate. This band is ideal when dealing with structural joints and overlapping metal materials.
- MASTIC PU: polyurethane mastic for filling joints (use together with TECNOBAND 100 when necessary).

## HANDLING AND TRANSPORT

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.



- 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.

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

## TECHNICAL DATA

PROPERTIES	RESULT
Density at 23°C ISO 1675	±1,03 g/cm <sup>3</sup>
Viscosity at 23 °C ISO 2555	150 cps
Density comp. A at 23°C ISO 1675	±1,15 g/cm <sup>3</sup>
Density comp. B at 23°C ISO 1675	±1,10 g/cm <sup>3</sup>
Viscosity comp. A at 23 °C ISO 2555	1.250 - 1.500 cps
Viscosity comp. B at 23 °C ISO 2555	500 - 600 cps
Solids content ISO 1768	±82 %
VOC(volatile organic compounds)	230 g/l comp A. + 100 g/l comp. B
Pot life at 23 °C	±30 minutes
Mixing ratio	1:2,60
Tensile strength at 23 °C ISO 527-3	>10 MPa
Elongation at break at 23 °C ISO 527-3	>110 %
Hardness Shore A at 7 days DIN 53.505	>95
Hardness Shore D at 7 days DIN 53.505	>55
Dry time at 23 °C	±40 minutes
Ambiance and support range of temperature (application)	-0 °C ~ 35 °C
Service range of temperature	-5 °C ~ 45 °C
Recoat time at 23 °C	±1,5 ~ 2,5 hours
Passable (pedestrian) at 23°C	±2 hours
Passable (pedestrian) at -23°C	±8 hours
Passable (light vehicles) at 23°C	±8~12 hours
Concrete adherence	>2 MPa

These values in this table are approximate and can vary depending on the situation of the carrier or application methodology employed

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are only intended for sale to industrial and commercial customers. The customer assumes full responsibility for quality control, testing, and determination of the suitability of products for its intended application or use.



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