

1. Product

COPSON PUR TRANSPARENT

2. Definition

Transparent liquid polyurethane resin single component to polymerize forms a transparent polyurethane elastomeric membrane, waterproof, resistant to UV rays, and crack bridging ability (high elasticity) and high wear resistance.

3. Características

- Solvent: xylene methoxypropyl acetate-2.
- Solids content (% by weight): 60.
- NCO content (% on solids): 3'8.
- Drying time (tack-free, exterior, 150 microns, 25 ° C): 6-12 hours depending on humidity.
- Tensile strength of the film (kp / cm²): 87.
- maximum elongation of the film (%):> 300.

4. Instructions

The resin cures by reaction with moisture in the air. It is in the form of a monocomponent product that does not need the addition of catalyst or additives. The product comes with a rate of 60% solids. It can be diluted and stored for later use but only if moisture-free solvents used. They can also be used not alcohols or solvent mixtures whose composition are alcohols. The product is soluble in ethers, ketones, etc. It may be diluted in up to 40% Xylene without thereby appear turbidity. In any case, before trying a new solvent, a preliminary test is advised. If turbidity or solids formation occurs, it can be added a second solvent of higher polarity (ethyl acetate, butyl acetate, methoxypropyl acetate) for redissolution.

For good adhesion of the product on such substrates concrete, tile, etc., it is advisable to open the pores to allow good penetration. It is not recommended to apply the product on excessively loaded with moisture as this prevents good penetration and adhesion substrates. Make sure the surfaces are clean and dry, clean sand and dust. It can be applied by brush and roller or spray gun. Depending on the thickness and the desired degree of protection could be applied 2 or 3 layers.

It can be applied undiluted, as supplied; however, in the first hand it is advisable to dilute the product to an approximate concentration of 25% solid resin to achieve better penetration into the substrate. They are only suitable water-free solvents and containing no OH groups such as alcohols. A suitable combination is 2 parts by volume of xylene and 1 part of methoxypropyl acetate.

Do not apply below 5 ° C or in case of rain (water droplets can marcar the surface if it is not dry). It is recommended to dry the product without passing over it for a minimum of 24 hours. The film reaches 100% of its properties after 15 days of curing. The film can be repainted as soon has reached a drying that is no longer sticky. It not recommended recoating after more than 24 hours.



5. Copson PUR primer

In most cases, products based component polyurethane, by their chemical constitution, offer good adhesion. However, the very consistency of the product, which has a large molecular weight and cohesion, coupled with a lack of absorption, can promote to peel and failure in particularly complicated supports (gresite, rasilla, terrazzo, marble, tile, concrete highly polished or worn, non-porous concrete, glass, previous treatments epoxy / acrylic resins, ...).

On these occasions it is recommended to "slightly scratching the surface to be treated (generating some friction between materials and favoring adhesion between them).

Copson PUR primer allows to create bridges with a high adhesion, between the support and the treatment to be performed, so that a chemical bond occurs between both elements.

In any case it is recommended to apply these products on damp substrates or wet, or with oil or grease stains, dirt, ... is advisable to apply the product abundantly on the surface to be treated, letting the water evaporate until dry to touch. In certain media of great difficulty or critical, it is recommended to test on a corner before determining your need.

The recommended allocation is about 0.15 kg / m2. It is not advisable to let more than 12 hours between application of the primer and subsequent treatment.

6. Copson PUR accelerator

Copson PUR membrane, despite its fast drying in most cases (low temperatures, high environmental humidity, etc.) may require an extremely short drying time, or help in cases of very low temperature and humidity environmental.

The accelerator Copson PUR, can greatly reduce the time drying product without sustaining a loss in properties, or changes in the product structure, also helping to obtain a practically free finish "bubbles" (CO2 trapped in the membrane).

It lets get "layer" on the surface of the product in about 1 hour (minimizing the risk of disruption due to rain, slopes, etc.), and considered practically dry in 4 hours, also helping the elimination of "tack" superficial in a shorter period of time. It is not recommended the use of Copson Pu accelerator when the outside temperature is above 20 ° C and the relative humidity is more than 60%

The product is formulated to act effectively in combination with 1/20 with PUR Copson, but a slight excess of this product does not harm the resulting membrane. Must be added the accelerant Copson PU in the desired amount to Copson PUR, and gently mix the product before application, until homogenisation, steeping a few minutes. The addition of PU accelerator has a slight effect on the product viscosity and may favor its application and leveling. This should however be taken into account to achieve sufficient strength and layer thickness (ideally 1'5 to 2'0 mm).

It allows a good drying time and is free of "tack" in about 4 hours. It also allows the application of the product in extremely cold weather and wet (fog). In case of rain before full drying, it does not affect the quality of the membrane, while the impact force can mark "craters" in the film, the recoating for adjustment may be necessary.

The addition of the accelerant Copson PU makes fully imperative to use makes the whole product after mixing. The lifetime of the mixture is about 1 hour.

7. Storage

The products must remain tightly sealed in their original containers, protected from frost and strong sun exposure. Under these conditions, the shelf life of the products is six months or so, from date of manufacture.

This information replaces all prior information. The specifications and technical data that appear on this sheet are only guidelines corresponding to laboratory averages. Composan reserves the right to modify them without prior notice and declines any responsibility for their wrongful use.

