



ALIPHATIC POLYURETHANE RESIN SUITABLE FOR FULL IMMERSION

It's two component aliphatic polyurethane resin for treatment, decoration and protection on surfaces and areas in contact with chlorinated waters, even underwater for that is particularly suitable for lining of pools, lakes or aquatic areas.

USES

- Swimming pools, aquariums, ponds with chlorinated water, on porous or nonporous surfaces..
- Protection on TECNOCOAT P-2049 pure polyurea membrane or DESMOPOL polyurethane membrane and TECNOFOAM polyurethane foam.
- Flat or sloped roofs, terraces and balconies.
- Over epoxy coatings on floor surfaces (TECNOFLOOR T-3020, TECNOFLOOR Tw-3040)

Performance	150 ~ 250 g/m ²
Mixing ratio	± 6:1
Tack time	3 ~ 4 hours (20 °C)
Repainting	4 ~ 24 hours (20 °C)
Dilution	DESMOSOLVENT
Application Method	Brush, roller, spray gun type "airless"



GENERAL FEATURES

- It is a glossy and translucent polyurethane resin.
- It is coloured using PIGMENTS.
- It forms a continuous coating, easy to clean and maintain and resistant to algae and mould growth.
- It offers excellent resistance to cleaning products in chlorinated areas.
- **TECNOTOP 2CP** 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 their maximum humidity ranges are specified.



- In the event of an application in pools, ponds or aquariums, fill the glass until after 7 days from the application of the final layer of **TECNOTOP 2CP**.
- The end product is performed by mixing the two components to 100%. In case of part of product applications, respecting at all times the mixing ratio for the final product to get the best possible product.
- 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 2CP** can be applied on a variety of surfaces: concrete, cement, ceramics, TECNOCOAT P-2049 or DESMOPOL membranes, or TECNOFOAM polyurethane foam.
- Apply on dry, firm substrates, with a surface temperature of between 3 °C above dew point, an ambient temperature of at least 10 °C and RH below 80%.
- Mix both components together well using a rod stirrer for around 2 minutes.
- **TECNOTOP 2CP** can be applied with a roller, brush or airless spray equipment (nozzle: 0.007" to 0.011"; nozzle tip pressure, 180 to 200 kg/sqm).
- It can be thinned using DESMOPOL SOLVENT, up to 5% for applications with airless spray equipment.
- Adding the product pool cleaning must be done by automated equipment controlled mixing, never added directly to the surface thereof applied **TECNOTOP 2CP**.

COLOURS

The product comes in transparent neutral. It can be pigmented in any desired colour on the RAL standard colour chart. Consult the conditions for delivery of pigmented colour based on the order.

YIELD

TECNOTOP 2CP's yield varies depending on the layers applied and the type of substrate.

When applied in layers, consumption is approximately 150 g/sqm/layer, with a total consumption of 300 g/sqm.

FORMATS

Metal tins:

COMPONENT A: 17,2 kg + COMPONENT B: 2,8 kg

EXPIRY

Component A expires after 24 months, and component B after 12, at temperatures between 5° C and 25°, provided it is stored in a dry place. Once the tin has been opened, it must be used immediately.

APPLICATION

The following aspects should be taken into account prior to spraying, depending on the type of surface to be sprayed:

Over TECNOCOAT P-2049 / DESMOPOL:

- Apply PRIMER EPw-1070, with a yield of approximately 50~70 g/sqm, if the time of application of membrane(TECNOCOAT or DESMOPOL) is over 24~48 h, and depending on the state of the substrate or the surface's porosity too.

Cement or concrete surfaces:

- Repair the surface (fill in depressions, eliminate unevenness, eliminate any old waterproofing, etc.)



- Clean the surface or substrate, removing any dust, dirt, grease or efflorescence.
- Apply PRIMER PU-1050, with a yield of approximately 250 g./sqm.(two layers) always depending on the state of the substrate or the surface's porosity. Apply the necessary layers to coat fully.

Ceramic surfaces:

- Fill in joints.
- Clean the surface, removing any dust, dirt, grease or efflorescence
- Apply PRIMER EPw-1070, with a yield of approximately 250 g./sqm, (two layers) always depending on the state of the substrate or the surface's porosity. Apply the necessary layers to coat fully.

Painted surfaces:

- If the existing paint is in good conditions, clean the surface with a mixture of water and industrial detergent. Leave to dry.
- Remove the existing paint if it does not offer good bonding conditions and eliminate any substrate in poor condition as this could hamper **TECNOTOP 2CP** bonding. Clean and leave to dry
- Apply PRIMER EPw-1070, with a yield of approximately 250 g/sqm, (two layers) always depending on the state of the substrate or the surface's porosity. Apply the necessary layers to coat fully.

For other types of surfaces or applications, contact our Technical Department.

Following the aforementioned preparation, apply **TECNOTOP 2CP** in thin layers using the methods already indicated, until the required thickness is obtained.

If so required, **TECNOTOP 2CP** can be applied with a non-slip finish as follows:

- Multilayer silica sand system: Apply a coat of **TECNOTOP 2CP**, sprinkle with sand and then finish with another coat of **TECNOTOP 2CP**.
- TECNOPLASTIC F system: Apply an initial coat of **TECNOTOP 2CP** blended with TECNOPLASTIC F (maximum 7%, recommended -5 %), followed by an overlayer of **TECNOTOP 2CP**. (applied by airless if it's possible.)

For best results, in pools applications, apply a final coat of neutral (unpigmented) TECNOTOP 2CP.

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 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.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in air.
- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the safety data sheet of the product, are publicly available



TECHNICAL FEATURES

PROPIERTIES	VAIUES
Density at 23 °C	1,15 g/cm ³
% solids in weight	±50%
Mix ratio	±6/1
Pot life at 23 °C	> 1 hour
Adherence to concrete at 23 °C	>1,5 MPa (N/mm ²)
Support temperature	8 °C ~30 °C
Environmental temperature	8 °C ~ 35 °C
Repaint time at 23 °C and 60% relative humidity	4 ~ 24 hours
Max. relative humidity	80%
Dry time (tack free) at 23 °C and 60% relative humidity	±2 hours
Transitability at 23 °C	±24 hours
Dry time resistance at 23 °C	7 days
Application method	Roll or ariless machine
Maximum contact with chlorine	3,5%
Dilution (in machine application)	DESMOPOL SOLVENT (max. 5%)

* it can be colored with our pigment on normalized RAL range

