



TECNOTOP 1C - SINGLE-COMPONENT, ALIPHATIC RESIN AS A UV RAYS PROTECTION

Single-component, aliphatic, colored, satin finishing resin, for treatment, decoration, and protection of Desmopol and Tecnocoat waterproofing liquid membranes. Once dried it forms a flexible, continuous film, resistant to weathering, UV radiation and to light walkable traffic.

USES

For application in the following situations:

- Aliphatic protection of Tecnocoat and Desmopol waterproofing liquid membranes against UV solar rays, for waterproofing uses on flat and sloped roofs (*light walkable traffic or for maintenance*)

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

Density	1.20 ±0.02 g/cm ³
Viscosity	1,200±200 cps
Dry ime	±8 minutes
Application method	By brush, by a short nap acrylic wool roller, brush or "airless" equipment



COLORS

	White RAL 9003
	Gray RAL 7042
	Red tile RAL 8004
	RAL Chart

* For special pigmentations and minimum quantities, please see page Sale conditions on the price list



GENERAL SPECIFICATIONS

- Single-component, aliphatic, colored, satin finishing resin, for treatment, decoration, and protection of Desmopol and Tecnocoat waterproofing liquid membranes. Once dried it forms a flexible, continuous film, resistant to weathering, UV radiation and to light walkable traffic.
- 8 minute initial dry, 3 hours ready for foot traffic
- It is delivered in any non-metallic RAL color (*check the delivery conditions of minimum quantities in the price list*)
- It can be applied on surfaces from zero slopes, on different types of substrates: concrete, mortar, cement, ceramics, metal, wood, and Tecnocoat and Desmopol membranes (*for UV rays protection*)
- The application must be carried out in conditions without the presence of moisture in the substrate or water coming from the substrate or backfill, either at the time of application or later (pressure due to the water table...). In the case of existing moisture in the substrate at the time of application, consult the technical data sheets of our primers where the ranges of resistance to moisture are specified.
- Use the same batch of product in each area of application to avoid the minimum and possible color change
- Do not apply in swimming pools, ponds, aquariums, or in general in immersion situations. (*for this specific use, see Tecnotop 2CP TDS*)
- Do not apply in areas with intense vehicular or pedestrian traffic (*for this specific use, see Tecnotop 2C TDS*)

YIELD

The yield can vary depending on the coats needed to be made according to the use or the type of substrate. Consumption is variable depending on the coats to be implemented, the type of support or the use for which the support is intended. Consumption is about 70-100 g/sqm/coat.

PACKAGING

Metal pail in two different formats: 5 kg and 20 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, it must be used.

APPLICATION METHOD

TECNOCOAT/DESMOPOL, waterproofing membranes substrates: Clean up the surface or substrate, removing any dust, dirt, grease, or efflorescence. PRIMING: use Primer PU-1030/Primer PU-1000/PrimerEPw-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. Apply thin coats by a short nap acrylic wool roller or "airless" equipment.

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. Complement with a Tecnoband 100 band on the upper part. 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 PU-1050/Primer PUC-1050, Primer EP-1020, Primer EP-1010 or Primer WET,



depending on the existing moisture in the substrate. Apply thin coats by a short nap acrylic wool roller or "airless" equipment.

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 EP-1040, Primer EP-1010 or Primer EPw-1070, depending on the existing moisture in the substrate. Apply thin coats by a short nap acrylic wool roller or "airless" equipment

Painted surfaces: If the existing paint is in good condition, clean its surface with a mixture of water and an industrial detergent, wait to dry. If the situation of the existing paint is not optimal sanding of the surface will be carried out, to avoid the contribution of water to the substrate. This action will open the pore, clean of adhered efflorescence or dirt, and regularization of the surface by extracting the raised or unattached areas, without adding water. Cleaning of the substrate, removing existing dust, dirt, grease or efflorescence by mechanical suction. PRIMING: use Primer EPw-1070. Apply thin coats by a short nap acrylic wool roller or "airless" equipment.

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

APPLICATION FINISHINGS

Multilayer method with SILICA SAND: Application of a first one by means of a short-nap acrylic wool roller or "airless" type equipment and carried out in thin coats (approximate consumption of 70-100 g/sqm/coat). Spreading on the wet substrate Silica Sand in the consumption desired by the customer. Hence an anti-slip surface is achieved to enable the system to have a degree of slip resistance. After dry time, remove the aggregate not adhered to the surface; refill with aggregates areas not defined correctly, if necessary. Vacuum up non-adhering aggregates. Application of a second coat by short nap acrylic wool roller or "airless" equipment and carried out in thin coats (approximate consumption of 70-100 g/sqm/coat).

Addition of TECNOPLASTIC F/C: Apply a first coat (*if there is a high requirements*) by means of a short-nap acrylic wool roller or "airless" type equipment (approximate consumption of 70-100 g/sqm/coat). Mix Tecnoplastic F/C, mixing ratio: maximum 8-9% (recommended 7%) in the resin pail. Spread in one coat, using a short nap acrylic wool roller and made in thin coat (approximate consumption of 70-100 g/sqm/coat).

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	VALUES
Density ISO 1675	1.20±0.02 g/cm ³
Viscosity ISO 2555	1,200±200 cps
Solid contents ISO 1768	±63%
VOC content	444 g/l
Adherence to concrete	>1.5 MPa
Dry time /Recoat time / Walkable time (pedestrian)	±8 minutes / ±8 min ~ 48 hours / ±3 hours
Application temperature range (substrate / environment)	5~35 °C / 10~30°C (41 to 95°F / 50 to 86°F)
Use temperature Range (environment)	-30~80°C (-22 to 176°F)
Maximum environmental humidity	±80 %

Results were 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.

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.

We warrant that our products will meet our written liquid component specifications. We make no other warranty of any kind, either express or implied, by fact or law, including any warranty of merchantability or fitness for a particular purpose since Tecnopol Sistemas S.L.U. does not control the execution, since Tecnopol Sistemas S.L.U. does not control the execution. Our total liability and customers' exclusive remedy for all proven claims is the replacement of the nonconforming product and in no event shall we be liable for any other damages. While descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. Because many factors may affect processing or application/ use, Tecnopol Sistemas S.L.U. recommends that the reader make tests to determine the suitability of a product for a particular purpose prior to use.

No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be sued without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of Tecnopol Sistemas S.L.U. terms and conditions of sale. Further, the descriptions, designs, data, and information furnished by Tecnopol Sistemas S.L.U. hereunder are given gratis and Tecnopol Sistemas S.L.U. assumes no obligation or liability for the description, designs, data or information is given or results obtained, all such being given and accepted at the reader's risk.

All data furnished refers to standard production using manufacturing testing tolerances. The product user, and not Tecnopol Sistemas S.L.U., is responsible for determining the suitability and compatibility of our products for the final user's intended use.

The liability of Tecnopol Sistemas S.L.U. and its affiliates for all claims is limited to the purchase price of the material.

Products may be toxic and require special precautions in handling. Users should obtain detailed information on toxicity, together with proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards.

No freedom from any patents or other industrial or intellectual property rights is granted or to be inferred.

