DESMOPOL 260 - SINGLE COMPONENT, POLYURETHANE WATERPROOFING MEMBRANE

DESMOPOL 260 is a single component liquid made up from pure polyurethane, which once catalyzed forms a continuous elastic membrane, without any joints, overlapping or any integrated mesh needs. Its properties make it an excellent choice for achieving air-tightness and perfect waterproofing on a multitude of surfaces and substrates.

USES

Liquid membrane to use in these waterproofing situations:

- roofs, terraces, balconies and overhangs (walkables)
- structural concrete slabs
- conncrete walls and foundations

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

recommended thickness	± 1,5~ 2 mm.
dry time at 23ºC	± 5~6 hours
elongation at break at 23ºC	>400%
tensile strength at 23ºC	> 2MPa
application methods	By roll, brush or airless equipment
widespread systems	± 2 thin layers by roll or brush to achieve the recommended thickness

COLORS

	Black
	Grey (Ral 7034)
	Red (Ral 3016)

GENERAL FEATURES

- DESMOPOL 260 is a highly elastic and wear-resistant membrane that, once applied, offers great stability, durability and waterproof
- Thanks to its versatility DESMOPOL 260 adapts to any surface, making it the ideal product for application on uneven surfaces and in areas of any shape, whether curved or squared.
- No surface reinforcement is required, only singular points of encounters with other building elements.
- Green roof application
- Applying DESMOPOL 260 saves in seals and any other kind of joins, as the finish is uniform and makes up a single layer, providing a surface with optimum maintenance and cleaning properties.
- The DESMOPOL 260 polyurethane membrane system 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).

- If there is humidity or moisture in the substrate at the time of application, check the technical specifications of our primers where the maximum support humidity ranges are specified.
- DESMOPOL 260 system's properties enable it to bond to any surface, such as cement, concrete, polyurethane foam, butyl and bituminous sheets wood, polyurethane plates,metal, etc.
- DESMOPOL 260 is immune to temperature changes of between -40ºC and +70ºC, conserving its elastic properties.
- The DESMOPOL 260 polyurethane membrane is a self-leveling membrane that requires additives for its application on vertical and sloped surfaces more than 1,5% of gradient. Mix DESMOTHIX maximum ratio 1 liter for each 25 kg of DESMOPOL 260. You could apply on thin several layers too..

YIELD

Product yield is 2,1 to 2,8 kg/m² with a thickness of 1,5 to 2 mm(aprox. data) applied on various coats; each coat yield 1 kg/m² maximum

PACKAGING

Metal tins of 25 kg. each

SHELF LIFE

12 months at temperatures between 5°C and 25°C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

SURFACE PREPARATION

In general, you should take the following factors:

- Surface reparation (fill the cracks and fissures, remove old existing waterproofing paints...).
- Clean up the surface, removing dust, oils and grasses, and existing chippings.
- Support will be strong and dry.
- The supports must be firm and dry. No moisture or humidity inside or by capillarity from the backfill.

You can apply DESMOPOL 260 liquid waterproofing membrane over several supports and materials. Below we set out some of the application for the most common surfaces; for other surfaces not described, please call our technical department.

Concrete substrate

- 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.
- Any cracks, and damaged areas must be repaired using a epoxy mortar,mixing our epoxy resin PRIMER EP-1020 with silica sand (ratio of ±1:4), or the same resin mixed with calcium carbonate (ratio of ±1:2).
- MASTIC PU must be used on fissures or small cracks in the surface.
- Existing joints or seals:remove the old material, clean up and fill with MASTIC PU and TECNOBAND 100 matting.

- Next one, clean up well and eliminate all contaminants from the elements, such as dust or chippings, using dry methods preferably.
- Apply the primer in the conditions and the parameters indicated in the technical specifications for these products. On concrete, we recommended the two-component polyurethane resin PRIMER PU-1050 / PRIMER PU-1000 / PRIMER PUc-1050. See the TDS of each product before the application
- Apply DESMOPOL 260 membrane depending on the chosen type (see "application types")

APPLICATION

Once the surface preparation and primer application are done, as conditions, proceed to extends of the polyurethane membrane, using this following method:

By layers application (traditional or classical application):

- Open the DESMOPOL 260 metal tin and stir up to homogenize
- Extended a first layer using a short hair roller, maximum thickness 0,8-1,0 mm, (applying the material without dilution)
- Wait for complete drying (depend on the weather conditions), about 5~6 hours
- Then, apply the next layer, in the same way as above
- Repeat this process as many times as necessary to achieve the desired or recommended thickness.

HANDLING

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 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	VALUES
Specific gravity at 23ºC ISO 1675	1.450 ±5% kg/m³
Viscosity at 23 ºC ISO 2555	3.000 ±200 cps
Solid contents ISO 1768	>84% ±2
Tensile strength at 23ºC ISO 527-3	>2 MPa
Elongation at break at 23ºC ISO 527-3	>400%
Roof slope	zero slope
Fire reaction	Euroclass F
Hardness Shore A at 23 ºC DIN 53.505	>80
Concrete adherence at 23ºC	>2 MPa

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