



## DESMOPLUS 700 - ADDITIVE TO ALLOWS THE THE APPLICATION OF THE DESMOPOL MEMBRANE IN A SINGLE LAYER

Additive that gives to the single-component polyurethane membrane Desmopol several properties to facilitate its application in one layer without bubbles inside, improve its physical and mechanical properties, and give a fast dry time. It is suitable for the application of polyurethane membranes in high-temperature conditions or adverse weather conditions.

### USES

For application in the following situations:

- Allows the application of the Desmopol membrane polyurethane liquid membrane in one coat of desired thickness (e.g. 2 mm./78 mils DFT), avoiding the application by successive coats, eliminating intermediate drying times, and dangers due to sudden rain
- Internal blistering elimination.

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

Fixed consumption (per weight)	68 g/kg of PU membrane
Fixed consumption (per volume)	80 ml/kg of PU membrane
Density	0.93 g/cm <sup>3</sup>
Mixing ratio with Desmopol	1:0.068(weight) / 1:0.080(volume)
Desmopol pot-life	90 minutes
Desmopol dry time	3 hours
VOC	400- 405 g/l



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.



## GENERAL SPECIFICATIONS

- It allows the application of Desmopol in a one thick layer, saving execution time since it eliminates intermediate processes.
- Eliminates the formation of internal bubbles and other defects in the curing of the membrane, it improves the quality of the Desmopol membrane
- Reduces drying and curing times on polyurethane membrane Desmopol especially in summer, high ambient temperatures or low humidity.
- Increases the mechanical properties of the polyurethane membrane Desmopol
- Use Desmosolvent for the cleaning.
- Do not use any kind of spray machine, to apply polyurethane membrane Desmopol when mixed with Desmoplus 700

## YIELD

The mandatory consumption is fixed and invariable depending on the Desmopol format to be used:

- 2l. (1.7 kg) of each 25 kg. of Desmopol
- 1.2l (1 kg). of each 15 kg. of Desmopol

**NOTE:** these consumptions are invariable and fixed, they cannot be varied, neither by excess nor by defect, otherwise the membrane will not form in the adequate conditions of use. During mixing, use mechanical equipment at half revolutions to avoid the inclusion of air inside.

## PACKAGING

Metal tins in two different formats: 2 l (1,7 kg) / 1.2l (1 kg)

## STORAGE AND SHELF LIFE

12 months at temperatures between 5 and 35° C (41 °F to 95 °F), provided it is stored in a dry place. Once the tin has been opened, the product must be used.

## APPLICATION METHOD

You should consider the following factors:

- One metal tin of 2l. (1.7 kg) is the needed amount required for optimal response, making the mixture with 25 kg of Desmopol
- One metal tin of 1.2l.(1 kg) is the needed amount required for optimal response, making the mixture with 15 kg of Desmopol
- Shake Desmoplus 700, before the mixing procedure
- Incorporate Desmoplus 700 into the polyurethane membrane Desmopol metal tin, wait for 3-4 minutes, and homogenize with an electric/mechanical mixer to avoid air entrainment and wait for 3-4 minutes. Check on the Desmopol TDS the point "APPLICATION TYPOLOGIES", section "Single coat application (mixing Desmoplus 700).
- The pot life is around 90 minutes.
- Pour the material on the surface, sharing with a notched trowel to get the desired thickness (You can also do this with roll or rubber lip)
- The drying time is between 5 and 6 hours. (*Results have been performed in the laboratory at 23°C and 50% RH, under controllable conditions. These values may vary depending on the application, climatology, or substrate conditions*).



- On high ambient temperatures situation, open the Desmopol drums, proceed with a low-speed agitation to stir resin to try to refresh the temperature, in order to don't increase the chemical speed reaction and therefore maintain the time of ".pot life "

## 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.

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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