



Capa PROOF PU ALI

Transparent aliphatic
polyurethane waterproofing
membrane

- Aliphatic
- Very high UV resistance
- Transparent
- Highly wear-resistant
- Great elongation capacity

DESCRIPTION

CAPAPROOF PU ALI, is a transparent, aliphatic polyurethane resin which, once cured, creates a continuous, elastic, seamless, waterproof and watertight membrane without joints or overlaps.

USE

To be applied in these types of situation:

- Waterproofing of roofs, weight-bearing terraces.
- Waterproofing of balconies, cornices or protruding elements.

NOTE: consult our technical department for application on other types of substrates or settings.

CONSUMPTION

The product yield is 0.5 to 1 kg/m² applied in 1 or 2 coats depending on application method and conditions.

KEY DETAILS

Density	1.35 ± 0.05 g/cm ³
Recommended consumption	± 1 kg/m ² (1 mm thickness)
Dry to touch	±6 hours
Tensile strength	>20 MPa
Elongation	>200 %
Dilution	5% DESMOSOLVENT (in "airless" use)
Method of application	Brush, roller
Colours	Transparent

GENERAL CHARACTERISTICS

- Continuous waterproofing membrane, without joints or overlaps, suitable for trafficability (light traffic)
- It is completely glossy, transparent and UV resistant
- The substrates suitable for the application of CAPAPROOF PU ALI are tiles, natural stones and wood. For other types of media, please contact our technical department.
- As it is a liquid material, it adapts to any roof shape, forming a continuous coating without joints or overlaps.
- Pre-apply the CAPAPROOF PRIMER ALI primer to avoid the appearance of efflorescence and increase its adherence to the substrate.
- Not recommended for waterproofing swimming pools, lakes or any areas fully immersed in water.
- Once shaped, do not clean the substrate with bleach or highly corrosive products.
- Do not apply in conditions where there is moisture in the substrate or water coming from inside the substrate or support, either at the time of application or afterwards (water pressure due to water table, moisture retained in the substrate).

PRESENTATION

It is presented in 20 kg metallic containers.

EXPIRY

12 months at a temperature of 5 °C to 35 °C, always stored in dry places. If the container is opened, it must be used immediately and protected from humidity.

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APPLICATION PROCEDURE

In general, the following factors should be taken into account prior to spraying:

- It requires a smooth, clean, dry substrate, without residual humidity and as cohesive as possible.
- Cleaning of the substrate, removing dust, dirt, grease or existing efflorescence.
- The substrate upon which the product is to be applied must be firm and dry. There should be no retained moisture in the interior or rising damp in the subfloor.
- Apply CAPAPROOF PRIMER ALI primer on the substrate with a clean cloth and let it dry (15 - 20 min).
- It can be applied with a short-pile acrylic wool roller, a brush or an airless spray gun.

HANDLING AND TRANSPORT

These safety recommendations during handling are necessary during the execution process, as well as in the processes before and after the execution in situations of exposure to machinery under load.

- **Skin Protection:** Wear rubber gloves. Remove immediately after contamination. Wear clean clothes that cover the whole body. Wash thoroughly with soap and water after work and before eating, drinking or smoking. Contaminated clothing should be washed and/or dry-cleaned.
- **Eye/face protection:** Safety glasses must be worn to avoid splashes.
- **Waste:** Waste generation must be avoided or minimised. Incinerate under controlled conditions in accordance with local and national laws and regulations.

In any case, consult the existing safety data sheets in force for the product.

PROPERTIES OF THE MEMBRANE

PROPERTIES	RESULT
Density ISO 1675	1,00 ±0.05 g/cm ³
Viscosity ISO 2555	1,350 ~ 350
Solids content ISO 1768	cps 70±5 %
VOCs (volatile organic compounds)	375~425 g/l
Flash Point	>42 °C
Elongation at break ISO 527-3	> 200 %
Tensile strength ISO 527-3	>20 MPa
Tearing strength SO 34-1	85 N/mm
Shore surface hardness A / D DIN 53.505	>80
Initial drying	±5~6 hours
Recoatable range	6~24 hours
Adhesion to concrete	>2 MPa
Service temperature range	-20~80 °C
Application temperature range	5~35 °C
Thermal stability (100 days at 80 °C)	Compliant
QUV Weathering resistance test (4hr UV, at 60 °C (UVB lamp) Compliant & 4hr at 50 °C)	Compliant (3,000h)

NOTE

The recommendations for use are based on our knowledge and experience. The technical data have been obtained under normal laboratory conditions and vary depending on site conditions. As the conditions of application are beyond our control, the information in this sheet does not imply any liability on the part of the company.

Results obtained in the laboratory at 23°C and 50% RH, under standard conditions. These values may vary depending on the application, climatic and substrate conditions.