



## LOW VISCOSITY MEMBRANE 100% PURE POLYUREA

The 100% pure polyurea **TECNOCOAT P-2049 LV** system was developed as a single coating suitable for protection and sealing the polyurethane foam **TECNOFOAM**, against the UV rays. The pure polyurea **TECNOCOAT P-2049 LV** membrane is made up of two liquid components, isocyanates and amines.

## USES

- Protection and coating over polyurethane foam **TECNOFOAM**

Performance	1 ~ 2 kg/m <sup>2</sup> (1,5 mm thick)
Tack time	± 4 seconds (20 °C)
Dilution	Do not dilute
Application Method	Medium pressure reactor
Ratio	1:1
Hardness Shore A	> 85 ~ 90
Elongation	> 250%
Resistance to traction	± 15 MPa



## GENERAL FEATURES

- **TECNOCOAT P-2049 LV** is a very sturdy and hard-wearing product that, once applied, offers great stability and durability.
- Thanks to its versatility and its drying time of ±15 seconds **TECNOCOAT P-2049 LV** adapts to any surface, making it the ideal product for application on uneven surfaces and in areas of any shape, whether curved or squared.
- Applying **TECNOCOAT P-2049 LV** 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 **TECNOCOAT P-2049 LV** polyurea membrane system should be applied in dry conditions avoiding the presence of humidity or 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 the maximum humidity ranges are specified,

## COLORS

REFERENCE	COLOR
P-2049 LV.3	GREY
P-2049 LV.11	RED

## YIELD

Product yield is 1,5~2 kg/m<sup>2</sup> according the kind of application, or kind of surface.

## PRESENTATION FORMATS

Metal drums of 225 kg each component.

## EXPIRY

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.

## APPLICATION

In general, the following aspects should be dealt with prior to spraying: Clean the surface of the polyurethane foam, removing any dust, dirt, grease

## 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 eating, drinking or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in air.
- 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.

## APPLICATION REQUIREMENTS (MACHINE GUN)

- Heater temperature: 60 °C



- Hose temperature 60 °C ~65 °C
- Pressure: 1.900 ~ 2.300 psi



## PROPIERTIES

PROPERTIES	VALUES	RESULTS	METHOD
Density at 23 °C	kg/m <sup>3</sup>	1.150	BS 4370 PART 1 METH 2
Elongation at break at 23 °C	%	>250	ISO 527
Tensile Strength at 23 °C		>13 MPa	UNE-EN ISO 527-3
Hardness (Shore A)		85 ~90	DIN 53.505
Hardness (Shore D)		45 ~ 50	DIN 53.505
Surface temperatures		-20 °C ~ 90 °C	
Fire reaction		Euroclass F	
Gel time at 23 °C		±15 seconds	
Cured time at 23 °C		±12 hours	
Solids (VOC zero)		100%	

## TECHNICAL DATA

PROPERTIES	COMPONENT A	COMPONENT B
Specific gravity (g/cm <sup>3</sup> )	1,11	1,20
Dry extract at 105 °C (% weight) EN 1768	?99	?99
Ashes at 450 °C (% weight) EN 1879	?1	?1
Viscosity (cps) (S63, 30 r.p.m. at 25 °C) UNE-EN ISO 2555	300±50	450±50
Mix ratio – in volume	100	100

