

Technical Datasheet

ELASTIPUR



Product Code: 95525 Waterproofing / Liquid polyurethane membrane

DESCRIPTION

High performance resin based on aliphatic one component polyurethane, which reacts with ambient humidity resulting in hard and flexible coatings. Provides high resistance to abrasion and chemical agents. Ideal for floors subject to intense wear action and for aromatic polyurethane waterproofing membranes.

USE: INTERIOR - EXTERIOR

Recommended for use in garages and parkings with heavy traffic, industrial warehouses, cold-rooms, tennis courts and recreational areas and concrete pavements in general. Acts as a sealer to protect floors surfaces with self-leveling epoxy mortar. Recommended as a finishing coat for the Junoelastic-K Polyurethane Membrane waterproofing system (Cod. 95.515).

PROPERTIES

- Transparent and shiny finish
- Single-pack product, for quick and easy use on construction sites
- Excellent hardness and flexibility
- Resistance to chemical agents
- Total color and UV stability
- Excellent resistance to abrasion and wear
- Fast curing and repainting
- Does not yellow

CERTIFICATIONS

- Flash Point: 36° C (as per ASTM D 93)
- Hardness: 53 D (Shore Scale)
- Maximum elongation: 173%
- Maximum traction: 27,4 MPa
- Water vapor permeability: 2,7 g/m² day as per UNE EN ISO 7783
- Abrasion resistance 11mg. Taber, CS-10, 1kg

Finish: Gloss

Colour: Clear

Viscosity: 410 mPa.s

Density: 0,95 g/cc

Drying: Touch dry in 2-14 horas (temperature and humidity dependent)

Minimum repaint time: Once touch dry

Maximum repaint time: 24 hours

Thinner: D-17 Thinner

Volume solids: > 50%

Thermal resistance: Stable up to 80 °C

VOC Content: 468,76 g/l

95525 CLEAR



Format: 4 kg / 20 kg

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SURFACE PREPARATION

NEW SURFACES. The surface must be in good condition, clean, dry, free of dust or traces of loose materials or particles, superficial grouts and free from grease, oils or moss. Any cracks must be repaired and eliminated.

Concrete substrates must be prepared mechanically by blast abrasion or scarifying to lift the surface and achieve an open pore. The surface must be primed and leveled until an even surface is achieved. Sharp irregularities are to be removed with a polisher. Remove all dust and loose material from the surface with a brush, broom and / or vacuum cleaner.

Once the surface is prepared, apply the following system (for a waterproofing sealed surface):

1. **Junoprimerelastic H2C (Prod. Code 95.509)**, 200-300 g/m²
2. **Junoelastic-K** Liquid Polyurethane membrane (**Prod. Code 95.515**), 1,5 kg/m²
3. **Elastipur (Prod.Code 95.525)**, 300-500 g/m²

If the existence of underlying humidity is suspected, and in order to avoid the appearance of blisters on the surface, it is preferable to apply 2 coats of a suitable primer: one without aggregates as a vapor barrier, and the second with dusting of aggregates.

For the application of Elastipur as a finish on waterproofing membranes such as Junoelastic-K (Cod. 95.515), always observe the repainting time of the respective product. Elastipur can be applied on them as soon as the bottom layer is not sticky.

On non-porous surfaces (stoneware, tile, ceramics), the prior application of PU Activating Primer is recommended.

APPLICATION TIPS

Stir the contents of the container until complete homogenization.

Some types of rollers are attacked by the solvent and are not suitable. It is recommended to test this out before application.

To obtain a good penetration and adhesion, the substrate must be level, cohesive, compact and with an even and regular finish.

AMBIENT CONDITIONS. The recommended substrate temperature for application is between 10°C and 30°C. The humidity level in the substrate itself must not exceed 4%, and in the air it must be lower than 85%. Excess of temperature and humidity will lead to generation of micro-foam.

APPLICATION METHOD. Product can be applied by roller, brush or Airless spraying (Airless - provided the viscosity is adjusted, however, an excess pressure, together with high temperature and humidity conditions can lead to the formation of micro foam that will give a veiled appearance to the film.)

If necessary, up to 10% solvent D-17 (Cod. 50.004) can be added. Stir at low speed to minimize air intake. Do not use Polyurethane reactive solvents (for example, universal solvent or alcohols). Apply the product at 200-500 g / m².

CLEANING. When still in liquid form Elastipur on any tools can be cleaned using **D-17 Solvent (Prod.Code 50.004)** or **D-45 Universal solvent (Prod. Code 50.017)**. Once hardened and cured, Elastipur will not dissolve.

OBSERVATIONS

Under normal conditions, the membrane only reaches enough hardness to walk on 24-48 hours after application. Depending on the intended use, it is recommended to wait between a week and ten days. The final cured hardness is reached around 15 days after application. Although it is not essential, it is recommended to fully use the content of each container. If not, ensure that it is completely watertight. It may be necessary to renew/add Elastipur coats depending on the wear and tear suffered by traffic, or the weather (atmospheric corrosion, UV rays, ...).

For stain removal, a surface treatment with isopropyl alcohol can be tried. Strong acids are discouraged. Some solvents can damage the membrane. If this happens, the affected area should be cut and repaired with the entire system.

A final treatment and periodic maintenance with protective wax is also recommended.

SAFETY & ENVIRONMENT

Al tratarse de un producto al disolvente se debe aplicar con buena renovación de aire y con las medidas de protección necesarias. Evitar las fuentes de ignición.

Mínimice el desperdicio de pintura estimando la cantidad de pintura, teniendo en cuenta los m², la porosidad y textura del soporte.

Almacene el material sobrante en lugar ventilado y seco. El envase debe estar limpio y ser del tamaño adecuado para la cantidad de producto sobrante.

Cerrar los envases cuidadosamente y mantener en posición vertical para evitar derrames. Preservar los envases de heladas, altas temperaturas y de la exposición directa al sol. Almacenar 12 meses desde la fabricación.

Recupere la pintura no utilizada para darle un nuevo uso y reducir los efectos ambientales.

No comer, beber, ni fumar durante la preparación y aplicación del producto.

Las operaciones de preparación de superficies y aplicación deben realizarse con las correspondientes medidas de seguridad. Para más información consultar la Ficha de Seguridad.

El producto debe usarse únicamente para los usos y en la forma prescrita. Este producto debe destinarse únicamente a usos industriales y profesionales. No es idóneo para un uso tipo bricolaje.

En caso de contacto con los ojos lavar con agua limpia y abundante. Mantener fuera del alcance de los niños.

No verter en desagües o en el medio ambiente. Elimínese en un punto autorizado de recogida de residuos.

Consulte a su ayuntamiento sobre el correcto reciclaje tanto del envase como de desechos y sobrantes de pintura de acuerdo a ley y principios de respeto medioambiental.

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