

Technical Datasheet

JUNOELASTIC-K (ST)



Product Code: 95542 Water-proofing / Liquid Polyurethane Membrane

DESCRIPCIÓN

Liquid waterproofing based on a single-component aromatic polyurethane in solution that, when polymerized, forms a cold-applied POLYURETHANE elastomeric membrane. The membrane hardens giving rise to an elastic and continuous coating, adhered to the substrate, guaranteeing the water tightness of the surface with the ability to withstand movements of the substrate due to its elastomeric capability.

USE: INTERIOR - EXTERIOR

For application on different types of surfaces (concrete, mortar, brick, fibre cement, ceramic tiles, bituminous products, steel, zinc, aluminium): Roofs, balconies, terraces, bathrooms (showers), kitchens and interiors with difficult access, pavements with pedestrian traffic, tribunes, stands, stairs etc.

PROPERTIES

- Continuous elastic membrane
- Weather resistant
- Excellent adhesion.
- Does not require reinforcement such as meshes or felts (geotextile), except at specific areas such as edges, corners etc.).

CERTIFICATIONS

- Flash point: 36° C (ASTM D 93)
- Hardness: 65-70 A (ISO 868)
- Maximum elongation: 421%
- Maximum tensile strength: 3.4 MPa
- Permeability to water vapour: $m > 1000$ (EN 1931) 20 g/m² day
- Abrasion resistance: 14.3 mg. (Taber, 1000 cycles, CS-10, UNE 48250)
- Tear Strength: 14 N/mm (ISO 34-1, Method B)

Finish: Gloss

Colour: Grey, Tile Red & Red

Viscosity: 10000-20000 mPa.s

Density: 1,3 g/cc

Drying: Touch dry 35mins-4 hours (depending on temperature and humidity)

Min. Repaint time: When touch dry

Max. Repaint time: 24 hours after touch dry

Thinner: D-17 Solvent

Spread rate: 1 m²/kg (per coat)
Avg. observed values. depending on texture and absorption.

Solids 85 ± 2 %

Flash point: 45° C (ASTM D 93)

Pot life: 4 - 6 hours (1 kg, 20°C, 50% hr)

Thermal resistance: Stable up to 140 °C

VOC Content: 184 g/l

95542 GREY
95544 RED

95543 TILE RED



Format: 25 kg

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SURFACE PREPARATION

In order to obtain good penetration and adhesion, the substrate must always have the following characteristics:

1. Leveling (since it is a self-leveling product)
2. Cohesive / compact with a minimum resistance of 1.5 N/mm² (pull off test)
3. Regular and fine appearance
4. Free of fissures and cracks. If not repair before applying the product.
5. Solid, clean, dry surface without dust or remains of materials or loose particles, superficial laitance and free of grease, oil and moss

APPLICATION TIPS

Stir product well before application until it is homogenized, leaving it to rest for a few minutes to let air out.

When using mechanical means to stir - do this at low speed to prevent letting in too much air into the paint.

If deemed necessary, up to 10% of JUNO D-17 thinner may be added to adjust viscosity.

Universal solvents (eg containing white spirit or alcohols) should never be used.

The recommended surface temperature for the application is between 0°C and 40°C.

High humidity conditions can lead to the formation of blisters under the surface.

In case of very low temperatures, or to accelerate drying, PU Accelerator can be used as an additive.

Product is applied with a trowel, roller, brush or Airless spray. It is useful to apply the product in the form of two layers of different colours, at 1 kg/m² each.

Although it is not essential, it is recommended to fully use the content of each container. If not, you must ensure that it is completely watertight when stored away. Use a spiked roller immediately after spreading to avoid bubbles/blisters.

OBSERVATIONS

Maintenance must be carried out on roofs made with JUNOELASTIC-K depending on their level of use. This maintenance includes the following operations:

- Elimination of leaves
- Removal of grass, moss, vegetation and other residues.
- Maintain the proper functioning of the stormwater sewer system
- Verify the presence of the drain grids in the places provided for this purpose, in order to avoid their obstruction over time.
- Verification of the correct maintenance of various structures (flashing, seams, parapets, cornices,...)
- Verification of eventual breakages that may be caused by inappropriate use

If the aesthetic appearance of the surface is important, it is essential to regularly clean the surface with water (a little detergent can be added) depending on the use.

It may be necessary to foresee the periodic renewal of the decorative coating depending on the wear it suffers due to traffic, or weather (atmospheric corrosion, UV rays,...).

For stain removal, a surface treatment with D-17 thinner or isopropyl alcohol can be used. Strong acids are discouraged. Some solvents can damage the membrane. If this happens, the affected area should be cut out and replaced with a new coat.

Under normal conditions (25°C, 50% rh) the membrane reaches 90% of its properties in 3 or 4 days. Its final curing/hardness is not obtained until after 10 to 15 days. It is advisable to wait this curing time before allowing permanent contact with water.

SAFETY AND ENVIRONMENT

As this is a solvent-based product, it must be applied with good ventilation and with the necessary protection equipment.

Avoid sources of ignition. Minimize paint waste by estimating the amount of paint, taking into account the m², the porosity and texture of the substrate.

Store leftover material in a ventilated and dry place. The container should be clean and the right size for the amount of product left over. Close the containers carefully and keep in an upright position to avoid spills. Preserve the containers from frost, high temperatures and direct exposure to the sun. Store 12 months from manufacturing date.

Re-use leftover product to protect the environment.

Do not eat, drink or smoke during the preparation and application of the product.

Surface preparation and application operations must be carried out with the corresponding safety measures.

For more information consult the Safety Data Sheet.

The product must be used only for the uses and in the manner prescribed. This product should only be used for industrial and professional uses.

Not suitable for DIY use.

In case of contact with eyes wash with clean and abundant water. Keep out of the reach of children.

Do not discharge into drains or the environment. Dispose of at an authorized waste collection point.

Consult your local municipality about the correct recycling of both the container and waste and leftover paint in accordance with the law and principles of respect for the environment.

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