



Description

Elastomeric resin based, one component, waterproofing liquid plastic coating.

Fields of Application

- Waterproofing of all types of flat or sloping roofs made of concrete, plaster, asbestos cement, tile, aluminum, zinc, PVC, asphalt (at least one year old).
- Exterior waterproofing of buildings.
- For crack bridging.

Properties

- Highly resistant to UV rays.
- 600% elastic.
- Environmentally friendly and solvent free.
- Water vapour permeable.
- Elastic at low temperatures.
- It forms one-piece, no-joint, continuous waterproofing layer.
- Low labor cost.
- Over paintable.
- Ready to use, easily applicable with brush and roller.
- Type : DMO1P (Complies with 14891).

Preparation of Substrates

- The substrates must be dry, clean and solid.
- The substrate must be free of dust, loose parts, paint, wax, oils, rust and traces of gypsum.
- Lower substrates that are not strong enough to carry themselves consisting of e.g. cracked plasters, weak surfaces, or residues of moss should be removed.
- Use Tamirart series repair mortars in case of any loose and uneven substrates to get a sound and flat surface.
- Corners should be rounded with Tamirart S40.
- In cases where one could not round the corners with structural repair mortar, it is recommended to select the most suitable type of Kalekim Waterproofing Tape at the joints such as horizontal - vertical joints, parapet corners, luminaires, chimney bottoms. This step should be applied after the first layer of Elastikor application.
- The surface should be primed with Kalekim Astar (Primer) depending on the absorbency of the substrate before application.
- For metal surfaces use an anti corrosion primer.

Application

- Elastikor should be made ready for use by stirring with a low-speed mixer.
- Apply on to the surface at least two coats with a brush or roller. Total thickness of application should be 1.0-1.5 mm.
- Second coat should be applied after the first coat is completely dry.
- Waiting time between the applications of two layers is about 4 - 6 hours depending on the temperature and relative humidity.



Post-Application Protection & Suggestions

- Elastikor is a ready to use product. Please do not add any additives except those recommended in the data sheet.
- The product should be used within the pot life. Products with expired pot life must not be used.
- While covering Elastikor applied surface, the waterproofing material should not be damaged by mechanical effects and it should be protected during the curing.
- Fresh applied surfaces should be protected against direct sunlight, strong airflow, high air temperature (over + 35 °C), rain and frost during the first days.
- Keep packaging closed during the application. The product should be protected from freezing.
- Elastikor should be applied with a special fiber mesh when reinforcing wide open spaces and bridging cracks. It is recommended to use Kalekim Waterproofing Tape at joints such as parapet corners, chimney flashings or to apply the product with a special fiber mesh. This process should be applied after the first layer of Elastikor.
- It should not be applied at very high temperatures, under direct sunlight, in extremely windy, foggy, rainy, frost-risk weather conditions. Low temperature and high relative humidity can extend the drying time.
- It should not be applied in rainy weather and the applied surface should be protected from rain within 24 hours.
- It should not be applied against negative water pressure.
- If Elastikor applied surfaces are subject to foot traffic, cover the surface with a flooring compound or with tiles.
- Use at least S1 type flexible tile adhesive for tiling. Sanding Elastikor applied surface before drying improves adhesion strength on it.
- Surface and ambient temperature should be between + 5 °C and + 30 °C during application.
- The application surface should not be moist.
- Consumption values in the technical table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.
- For further information refer to the safety data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in damp free conditions avoiding direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Maximum 3 buckets should be stacked on top of each other.
- Shelf life is maximum 24 months under above mentioned storage conditions.

Packaging

- 1 kg, 3 kg, 10 kg and 20 kg plastic pails.

Quality Certificates



EN14891 Class DMO1P.
EN 1542 Class PI, MC, IR-C



Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	White liquid
Shelf Life	24 months when stored in the original sealed packaging.

Application Data

Application Temperature Range	(+5°C) – (+35°C)
Waiting Time Between Coats	4 hours
Ready to Use	3 - 7 days
Consumption	~1.5 kg/m ² (for 1 mm thickness)
Application (vertical)	2 layers / Thickness: 0.75 - 1.00 mm
Application (horizontal)	3 layers / Thickness: 1.00 - 1.30 mm

Performance Data

Tensile Strength (EN 1542)	≥0.8 N/mm ²
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion (EN 13687-3/ EN 1542)	≥0.8 N/mm ²
Tensile Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542)	≥0.8 N/mm ²
Resistance to Accelerated Ageing (EN 1062-11)	No visible change. (2000s UV and condensation)
Crack Bridging (EN 1062-7) (21 °C)	≥ 2.5 mm (A5) / ≥ 1.5 mm (A4)
Flexibility	Highly flexible
Permeability to Water-Vapor (EN ISO 7783-2)	Class I ; Sd <5 (Sd: equivalent air thickness)
Carbon Dioxide Permeability (EN 1062-6)	Sd >50 m (Sd: Equivalent air thickness)
Chloride Diffusion (ASTM C1202)	≤ 200 Coulomb
Capillary Water Absorption (EN ISO 1062-3)	<0.1 kg/m ² h ^{0.5}
Service Temperature Range	(-30°C) - (+80°C)
Dangerous Substances	See SDS.
Reaction to Fire	European classification Cs1d0