

ELASTIDEN ALU

Elastomeric bituminous liquid coating with aluminum

Description: Waterproofing paint formulated with aluminum paste, bitumen, elastomeric resins, selected solvents and special additives.

Advantages:

- Thermal insulation: once the product is dry, it develops a film with high UV-rays reflection properties.
- Waterproofing properties on concrete surfaces affected by micro-cracks.
- Once dried it forms a waterproof, elastic, tenacious film.
- Excellent self-extinguishing properties.
- Easy to apply on the surface both vertically and horizontally.
- Not pouring at high temperatures.
- It follows the movements and the dilatations of the surfaces, that undergo the strictest temperature range.
- Anti-oxidant and anti-rust action.
- Corrosion resistance from soot and exhaust fumes.
- Excellent resistance on surfaces of industrial areas or sea areas.
- It does not require any protective paint as it is a pigmented coating.
- Frost resistance.

Application fields:

- It protects both old and new bitumen polimeric membranes by giving them a bright silver aspect.
- It is particularly suitable to paint smooth bitumen polimeric membranes located on insulating systems.
- The product is especially performing as a protection for cold applied liquid bituminous membranes.
- Suitable for metallic constructions of tin roofs, gutters, valley gutters, metallic boxes, tanks, chimneys and on iron constructions or zinc-coated surfaces.
- It can be used as paint for surfaces/waterproofing membranes made of PVC-P and FPO/TPO and EPDM.

Surface preparation:

- Ensure that loose parts, crumbling or non-sticky parts, paint, rust, dust and release agents are removed. Carefully clean the surfaces, which must be solid, even, dry and in the case of concrete surfaces must not have been previously treated with anti-evaporation products. Do not apply if bad weather is forecast, which could negatively influence the correct product drying.
- Before application, fastness and efficiency of water run-off points must be checked.
- Apply at temperatures between +5°C and +35°C; extremely hot or cold temperatures must be avoided during the application and the drying time of the film.

Application:

- Mix before use.
- Apply Elastiden ALU by brush, broom, roll or airless spray, provided a dilution with nitrous diluent or with common solvent-based bituminous primers.
- To clean the tools use common synthetic or nitrous diluents.

Consumption: - A two-layer application is suggested, the second layer should be applied once the first one is completely dry. The total average consumption is approx. 300-700 g/m².

Warning:

- On new bituminous surfaces, carry out a preliminary application test to verify the correct compatibility of the product with the substrate. We recommend, however, to

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wait a few months after laying the new sheath, in order to allow the complete elimination of the outcropping bituminous hydrocarbons.

- It is recommended not to exceed with above indicated consumptions, otherwise the film could risk not to be perfectly dry at the bottom: under the superficial layer of the film some parts of solvents may not evaporate and this would damage the perfect waterproofing action of the dry film and interfere in the evaporation process.
- Check (according to UNI 10329) that the residual moisture content of the cementitious substrate to be treated is $\leq 5\%$ in weight (for screeds with a density of 2000 kg/m^3).
- Do not apply over very hot surfaces. This could affect cohesion and adhesion of the product on the surface.
- The liquid product inside the packaging is brown/black in appearance and takes on its characteristic aluminium colour only after mixing.
- It may be stepped on in cases of occasional maintenance.
- Flammable product. Always store the product in closed container.
- Do not use inside residential buildings or inside non well ventilated spaces.
- Elastiden ALU is frost-resistant.
- Do not expose to direct sunlight, temperatures above 30°C , heat sources, open flames or other sources of ignition.
- Follow the information on the safety data sheet.
- Read the information reported at the end of this data sheet.

Packaging: Metal pails of 1, 5, 10, 20 kg.

Technical data:

MAIN CHARACTERISTICS		
Aspect		Liquid
Colour		Aluminium
Shelf life in closed original container		24 months
Solid Content (<i>m/m drying at 130°C</i>)	EN ISO 3251	$(60 \div 66)\%$
Brookfield viscosity (<i>at 20°C, Impeller n.5; 10 rpm</i>)	EN ISO 3219	$(5.000 \pm 1.000) \text{ cP}$
Density (<i>at 20°C</i>)	EN ISO 2811-1	$(1,02 \div 1,08) \text{ kg/L}$
Closed-cup flash point	ASTM D3828-87	$> +23^\circ\text{C}$
Drying time		100 ÷ 120 minutes*

* Measures have been recorded with a temperature of 23°C and a moisture of 50% . Declared data can change depending on the thickness of applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, absorption capacity of surfaces.

The advice and technical information here provided represent HA ITALIA best knowledge of product properties and use. Considering the different uses of the products and other factors which do not depend on us (different materials, working conditions, non-compliance with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to use it must determine its suitability for the intended use and has all liability that may arise from its use.

HA Italia disclaims any liability arising from non-compliance with the instructions given in this technical data sheet and with the guidelines specified in the safety data sheets.

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