

ALUMSINT 50

Protective aluminium paint with synthetic resins

Description: Solvent-based protective and decorative coating, formulated with aluminium, selected synthetic resins and special additives.

Advantages:

- Thermally insulating: once dry, it creates a high-reflectance barrier film against UV rays.
- Does not drip at high temperatures.
- Can also be applied in winter.
- Good covering power.
- Follows the movements and expansions of polymer-bitumen membranes even in the most severe thermal excursions.
- High durability.
- Frost resistant.

Applications:

- Used as a protective coating for exposed cold- or hot-applied polymer-bitumen membrane coverings, which it provides with a glossy silver appearance.
- Recommended for metal structures of sheet metal roofs, gutters, downpipes, metal sheds, tanks, chimneys and iron and galvanized supports in general.

Surface preparation:

- Make sure that the surface is free from detached parts, loose debris or non-adherent parts, coatings, rust, powder, or release oils; carefully clean the surfaces, which must be sound and dry.
- Do not apply to wet or damp surfaces.
- Before applying, check that waterproofing ensures proper run-off of rainwater.
- Apply at temperatures between +5 °C and +35 °C; avoid extremely hot or cold conditions during application and drying of the film.

Application:

- Mix the product before use.
- Apply Alumsint 50 by brush, broom, roll or airless spray (the product can be diluted with nitro thinners).
- The paint should be applied only in one direction; laying in different directions modifies the leafing effect of the aluminium paste.
- Polymer-bitumen membranes with non-woven synthetic fabric finish on the surface allow for immediate painting, but more than two coats are required (the next one applied only when the previous is dry) in order to obtain a sufficient covering effect.
- Use common synthetic thinners to clean tools.

Consumption: -Total consumption of 200 to 300 g/m². We recommend applying two coats. Apply the second coat when the first is perfectly dry.

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- Warnings:**
- We advise against applying the product on newly applied bituminous surfaces, which could still release hydrocarbons and cause adhesion problems of the film on the bituminous sheath. We recommend waiting a few months after laying the new sheath to allow for the complete elimination of bituminous hydrocarbons that may surface.
 - In any case, we recommend carrying out a preliminary application test to check whether the product is compatible with the surface.
 - Do not apply on very hot surfaces, which would adversely affect the product's adhesion to the surface.
 - It can be stepped on in case of occasional maintenance.
 - Store in tightly sealed original packaging.
 - Flammable product
 - Do not expose to temperatures over 40 °C, heat sources, open flames or other sources of ignition.
 - Comply with the information on the safety data sheet.
 - Consult the information at the bottom of this document.

- Packaging:**
- 5, 10, 20 kg metal pails.
 - 200 kg metal drums.
 - 1,000 kg IBC.

Technical data:

MAIN CHARACTERISTICS		
Appearance		Liquid
Colour		Aluminium
Shelf life in closed original packaging		24 months
Solid content (<i>m/m at 130 °C</i>)	EN ISO 3251	(55-61)%
Viscosity (<i>Flow time at 20 °C, DIN/4 mm cup</i>)	EN ISO 2431	20 - 28 seconds
Density (<i>at 20 °C</i>)	EN ISO 2811-1	(1.06-1.12) kg/L
Drying time		100-120 minutes*
Closed-cup flash point	ASTM D3828-87	>+23 °C

* Measurements have been recorded at a temperature of 23 °C and with 50% moisture. Declared data may vary depending on the thickness of the applied product and on the specific conditions of the construction site: temperature, humidity, ventilation, and absorbency of surfaces.

The advice and technical information provided represent HA ITALIA S.p.A.'s best knowledge of product properties and use. Considering the different situations of use of the products and factors beyond our control (media, working conditions, failure to comply with instructions), we cannot be held responsible for the results obtained. Before using the product, anyone who intends to make use of it is required to determine whether it is suitable for the intended use and assumes full liability for whatever may arise from its use.

HA Italia disclaims any and all liability arising from failure to observe the warnings mentioned in this data sheet and failure to comply with the requirements set out in the safety data sheet.

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ISO 9001-ISO 14001
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