

ALUMBIT D65

Protective bituminous aluminium waterproofing coating

- Description:** Solvent-based protective waterproofing coating, formulated with aluminium paste, bitumen, selected synthetic resins and special flame retardant additives.
- Advantages:**
- Thermally insulating: once dry, it creates a high-reflectance barrier film against UV rays.
 - Self-extinguishing effect: good flame protection.
 - Does not drip at high temperatures.
 - Follows the movements and expansions of polymer-bitumen membranes even in the most severe thermal excursions.
 - Antioxidant and anti-rust action.
 - Good covering power.
 - Resistance to corrosion due to soot and exhaust fumes.
 - Works as a sealant for micro-cracks.
- Applications:**
- As a protective coating for exposed cold- or hot-applied polymer-bitumen membrane coverings, which it provides with a glossy silver appearance.
 - Suitable for the coating of smooth polymer-bitumen membranes applied on insulation boards.
 - Recommended for metal structures of sheet metal roofs, gutters, downpipes, metal sheds, tanks, chimneys and iron and galvanized supports in general.
 - Suitable for painting of supports and waterproofing membranes in PVC-P, FPO/TPO, and EPDM.
 - Suitable as a protective coating for exposed bituminous liquid waterproofing membranes (like Elastiden C and Elastiden Plus).
- 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 Alumbit D65 by brush, broom, roll or airless spray (the product can be diluted with nitro thinners or common solvent-based bitumen primers).
 - 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 in order to obtain a sufficient covering effect.
 - Use common synthetic thinners to clean tools.
- Consumption:** -Total product consumption of 600 to 800 g/m². We recommend applying two coats. Apply the second coat when the first is perfectly dry.

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Warnings:

- Carry out a preliminary application test to check whether the product is compatible with the surface. We recommend waiting a few months after laying the new sheath to allow for the complete elimination of bituminous hydrocarbons that may surface.
- Do not apply on very hot surfaces, which would adversely affect the product's adhesion to the surface.
- The liquid product inside the packaging has a brown/black appearance and only takes on its typical aluminium colour after mixing.
- It can be stepped on in case of occasional maintenance.
- Flammable product. Store in tightly sealed original packaging.
- Do not expose to 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.

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	(62-68)%
Brookfield viscosity (<i>at 20 °C, spindle 5; 10 rpm</i>)	EN ISO 3219	(5,000±1,000)cP
Density (<i>at 20 °C</i>)	EN ISO 2811-1	(1.04-1.10) kg/L
Closed-cup flash point	ASTM D3828-87	> +23 °C
Drying time		100-120 minutes*
Reaction to external fire (<i>Nordtest Method **</i>)	NT-FIRE 006 ENV 1187-2	Compliant

* 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 absorptency of surfaces.

A normal slated polymer-bitumen membrane subjected to the fire resistance test (Test Method NT Fire 006, valid for Scandinavian countries and Denmark) does not pass the test. However, the same slated membrane protected with two coats of Alumbit D65 (about 1 kg/m²) meets the stringent limits imposed by Swedish standards.

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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