

# METALKOTE SPECIAL

Protective aluminium paint with synthetic resins

**Description:** Protective water-based paint, formulated with aluminium pigments, selected resins and special additives.

**Advantages:**

- Thermally insulating: once dry, it creates a high-reflectance barrier film against UV rays.
- Good covering power.
- Does not drip at high temperatures.
- Follows the movements and expansions of polymer-bitumen membranes even in the most severe thermal excursions.
- Odourless, non-flammable product.
- Non-toxic product, free from solvents.

**Applications:**

- It is used as a protective and decorative coating for polymer-bitumen membranes giving them a bright silvery appearance.
- It can also be used on metal roof structures after applying Metal-Fond Primer.
- It is particularly suitable where the use of solvent-based products is prohibited.

**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.
- 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 lightly and/or turn the bucket upside down to obtain a homogeneous product.
- Apply Metalkote Special as is by airless spray, brush or roller.
- 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.
- Application waiting time on freshly waterproofed surfaces: 6 months on hot flame bituminous membranes or products; 3 months on cold-laid bituminous products; 24 hours between coats.
- After use, wash tools with water and, if the product has dried, it is advisable to remove it with hot water or with the common synthetic thinners.

**Consumption:** Total consumption varies between 200 and 300 g/m<sup>2</sup>. 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 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 cohesion and adhesion to the surface.
- Application on water-based bituminous liquid sheaths should be avoided; in this case, it is advisable to apply a coloured acrylic paint.
- It can be stepped on in case of occasional maintenance.
- For the excellent maintenance of the coating of the sheaths, periodic restoration is recommended; it can vary depending on the exposure and slope of the roof, the aggressiveness of the industrial atmosphere and climatic zones, and the presence of insulated materials.
- Protect from frost, do not expose the package to temperatures below +5 °C; once frozen, the product can no longer be recovered.  
For further information, request the safety data sheet.

**Packaging:** 5, 10, 20 kg metal pails.

**Technical data:**

MAIN CHARACTERISTICS		
Appearance		Liquid
Colour		Aluminium
Shelf life in closed original packaging		12 months
Solid content ( <i>m/m at 130 °C</i> )	EN ISO 3251	(15-17)%
Viscosity ( <i>Flow time at 20 °C, DIN/4 mm cup</i> )	EN ISO 2431	17-23 seconds
Density ( <i>at 20 °C</i> )	EN ISO 2811-1	(1.02-1.08) kg/L
Drying time		2 - 3 hours*
pH ( <i>at 20 °C</i> )		7.0-7.5

\* 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 absorberency 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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HA ITALIA S.p.A.

DIVISIONE PRODOTTI SPECIALI

Viale della Scienza 78 -80 - 36100 Vicenza - Italy

Stabilimento Via Vicenza 72 - 36015 Schio (VI)

P.I. e C.F. IT00169590247 - Ph +39 0445 678000

info@ha-italia.com - www.ha-italia.com -  ha italia s.p.a -  ha italia s.p.a

