

ALLUMASOL

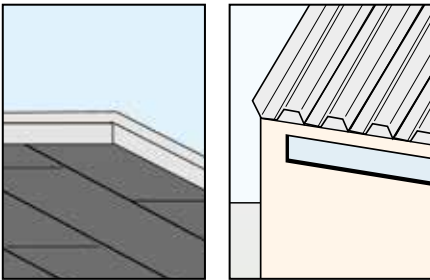
SOLVENT-BASED ALUMINIUM DECORATIVE BITUMEN WATERPROOFING WITH ANTI-CORROSIVE, SELF-EXTINGUISHING AND THERMAL INSULATING PROPERTIES FOR WATERPROOFING OLD AND NEW BITUMEN COVERINGS AND GALVANIZED METAL SHEETS



CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE				PRECAUTIONS
ONE-COMPONENT	SOLVENT BASED	WATERPROOF		MIX MECHANICALLY	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	

PROBLEM

TO PROTECT OLD BITUMINOUS MEMBRANES OR METAL DECK ROOFING



Protecting polymer-bitumen membranes degraded by UV rays and atmospheric agents. Coating metal deck roofing to protect it from corrosion.

SOLUTION

ALLUMASOL is a coating containing a mix of bitumen, elastic resins, self-extinguishing charges, aluminium pigments and anti-rust additives which specifically block the oxidization of iron. The presence of aluminium, which reflects the sun's rays, reduces the surface temperature of the support.

ADVANTAGES

- Highly resistant to fire, does not let flames spread due to its self-extinguishing properties.
- Thermally insulating.
- Acts as a sealant for small cracks.
- Excellent ant-rust qualities.

APPLICATION FIELDS

ALLUMASOL is used to waterproof and protect new and old polymer-bitumen membranes from the degradation caused by atmospheric agents and from ultraviolet and heat ageing caused by the sun; it also provides excellent protection from flames. An ordinary mineralised bitumen membrane subjected to the fire resistance test /Test Method NT Fire 006 valid for the Scandinavian countries and Denmark) does not pass the test but the same mineralised membrane protected by two coats of **ALLUMASOL** (approximately 1 kg/m²) passes the severe limits imposed by the Swedish regulations. Due to its excellent anti-oxidisation, anti-rust and thermal insulating qualities and the resistance to corrosion caused by grime and exhaust fumes, **ALLUMASOL** is suitable for use on metallic structures such as steel/metal roofs, gutters, metal containers, tanks, chimneys and on ferrous and galvanised supports in general.

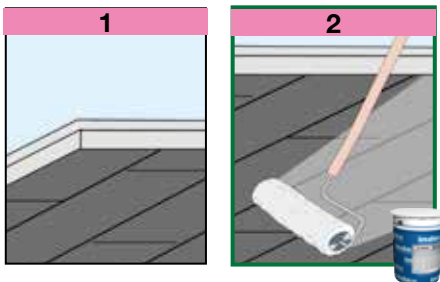
METHOD OF USE

• SURFACE PREPARATION

The surfaces must be perfectly clean without any loose and brittle parts, dry and free from oil and grease (1). All grease must be removed from new ferrous metal surfaces using solvents. Rusty surfaces should be carefully cleaned either manually or mechanically using a steel brush and then applying a coat of "PROTIFER" rust converter; yield 0.100 kg/m².

• APPLICATION

Apply as supplied with a paintbrush, large brush (2) or spray gun, after diluting with white spirit or SOLARIS. For improved mechanical resistance in the areas most subject to strain



or where the surfaces show signs of cracking, we recommend inserting 60 g/m² RINFOTEX non-woven polyester fabric reinforcement between coats. We strongly recommend applying two coats of product. It is important for the product to be applied in a single direction; crossed-coat application or application in different directions alters the "leafing" of the aluminium paste and therefore the appearance of the paint.

• COVERAGE

Consumption on polymer bitumen membranes in 400 g/m² per coat. This applies to the application of two coats.

• PRECAUTIONS

- It can be applied on surfaces subject to the occasional presence of standing water. It is however essential to arrange the waterproofing so as to drain rainwater efficiently.
- Do not apply on wet or damp surfaces.
- Do not use for tanks, cellars or channels subject to strong water backflow or pressurised water.
- Do not use on surfaces or containers where

edible liquids and drinking water are kept or which may come into contact with solvents or mineral oils.

- Mix the product thoroughly before use.
- Do not mix with water.
- Keep the containers sealed before use.
- Do not use high speed mechanical stirrers to mix the product (they may reduce the power of the aluminium flakes to come to the surface).
- The presence of residues on the bottom is not an indication of a damaged product, but the normal stratification of the aluminium paste.
- Apply at temperatures between +5°C and +35°C. Do not apply in extremely hot or cold conditions. Do not apply when there is a risk of the temperature falling below +5°C while the paint film is drying. Do not apply on very hot surfaces because the film-forming process would be accelerated excessively, with negative consequences for the product's cohesion and adhesion to the surface.
- Even though it is a solvent-based product,

(See following)

TECHNICAL CHARACTERISTICS

	Standard	ALLUMASOL
Appearance		Liquid
Colour		Silver
Density	EN 2811-1	1.00 ± 0.05 kg/ℓ
Dry residue at 130°C	UNI EN ISO 3251	66 ± 3%
Brookfield viscosity	UNI-EN-ISO 2431	5 500 ± 1 000 cps
Flash point (closed cup)	ASTM D 3828-87	> +23°C
Storage in original packaging in a dry place		12 months
Workability characteristics		
Waiting time - for dust-free drying (*)		100 ÷ 120 minutes
Waiting time - till touch dry (*)		400 ÷ 480 minutes
Application temperature		+5°C ÷ +35°C
Application		manual or spray

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. **These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbency of the base coat.**

(*) The stated times may be longer or shorter as the temperature decreases or increases.

(See previous)

- do not apply if there is a risk of rain while the film is drying.
- In foggy or very humid conditions the formation of the film and hence the drying of the material takes longer. High thicknesses and dilutions can increase drying time.
- Apply the second coat when the first coat is completely dry.
- The product must not be walked on, except occasionally for periodic maintenance.

- It reaches its maximum self-extinguishing effect 15 days after application. This time is affected by the temperature and atmospheric conditions.
- If the product is applied to polymer bitumen membranes placed on insulation packages, it must be used in combination with RINFOTEX reinforcement.
- Clean tools thoroughly after use with white spirit or normal solvents.

- Store in original packaging, away from sources of heat and naked flames because the product is flammable.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

ALLUMASOL
20-kg Pail

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

 Construction Systems and Products Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F +39 045 518390	Internet: www.index-spa.com Informazioni Tecniche Commerciali tecom@indexspa.it Amministrazione e Segreteria index@indexspa.it Index Export Dept. index.export@indexspa.it		 UNI EN ISO 9001	 UNI EN ISO 14001	 socio del GBC Italia	
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