Acriplast Alu

Solvent-based elastomeric bitumen liquid membrane with aluminium pigments



ACRIPLAST ALU is a solvent-based elastomeric bitumen coating with aluminium pigments.
Once dry, the **ACRIPLAST ALU** product forms a flexible film that gives structures good weather resistance, creating a barrier with high UV reflectance.
The special formulation, and the solvents it contains, make **ACRIPLAST ALU** a ready product that can be applied wherever the situation calls for very fast material application and drying times.

EELab Energy Efficiency Laboratory
SOLAR REFLECTANCE INDEX

INTENDED USES

ACRIPLAST ALU is used to coat metal surfaces, concrete substrates or bitumen membranes.
ACRIPLAST ALU is particularly suitable as a bright silver coloured reflective coating on waterproofing produced with the ACRIPLAST product.
In addition, **ACRIPLAST ALU** offers excellent results as a protective, high-reflectance coating on existing bitumen membranes, of either the mineral-surfaced or non-surfaced variety.

INSTALLATION TIPS

ACRIPLAST ALU is a ready product and must be stirred to an even, fluid consistency before being applied, using a brush, roller or airless spray gun. As stated on the product's safety data sheet, suitable PPE must be used during application.
Before applying **ACRIPLAST ALU**, make sure you remove any parts that are loose, crumbling away or unsound, along with any paint, rust, dust or form oils; surfaces must be thoroughly cleaned, sound and dry.
You are advised against applying **ACRIPLAST ALU** if it is about to rain, or if there is a chance of dew, fog or frost as the product could get washed off or not adhere to the treated surface.
Avoid temperature extremes during the film's application and drying time.
You must be sure that there will be optimal installation conditions for at least 24 hours prior to and following application.
ACRIPLAST ALU must be applied with ambient temperatures in the +5 to +35 °C range.
ACRIPLAST ALU is applied in 2 coats: the second coat must be applied at least 24 hours after the first coat has been allowed to dry.
In the event you wish to improve the product's mechanical strength, or where it is not being applied straight on top of prefabricated bitumen membranes, we recommend applying POLIESTERE 60 reinforcement.
To apply the reinforcement correctly, embed POLIESTERE 60 in the first coat while the material is still wet, applying suitable pressure as you roll over it so that it is incorporated into the coating.
The average consumption rate varies depending on the substrate and desired thickness. Whatever the case, the average consumption rate for the 2 coats is 0,5-1,0 kg/m².
The substrate should not be too hot as this accelerates the film-forming process, running the risk of the product not adhering properly and losing cohesion.
Do not apply to bitumen membranes that have just been installed as the natural small amount of migration of oils in the compound might mean the product fails to adhere perfectly.
We recommend waiting at least 6 months when dealing with bitumen membranes or other bituminous materials; in all cases, give the surfaces to be treated time to oxidize.

POLYGLASS
MAPEI GROUP

Acriplast Alu

TECHNICAL CHARACTERISTICS

STANDARD	TECHNICAL CHARACTERISTICS	UNIT OF MEASURE	NOMINAL VALUES
-	APPEARANCE	-	Liquid
-	COLOUR	-	Silvery
EN ISO 2811-1	SPECIFIC GRAVITY AT 20 °C	kg/l	1,05 (±0,03)
EN ISO 3251	SOLIDS CONTENT AT 130 °C	%	60 - 66
-	CONSUMPTION RATE	g/m²	250 - 500 by hand according to the support
-	DUST DRY AT 20 °C	minutes	100 - 120
-	TOUCH DRY AT 20 °C	minutes	400 - 480
-	THROUGH DRY AT 20 °C	hours	24
EN ISO 3219	BROOKFIELD VISCOSITY 20 °C SP. 5 AND 10 RPM	cP	5000 (±1000)
-	FLASH POINT (CLOSED CUP)	°C	23
	STABILITY IN ORIGINAL SEALED TINS	months	24
-	APPLICATION TEMPERATURE	°C	+5 / +35
ASTM E1980	SRI SOLAR REFLECTANCE INDEX Low wind Medium wind High wind	 - - -	 51 65,4 73,3
ASTM E903	R SOLAR REFLECTANCE	%	67,6
ASTM C1371	E THERMAL EMISSIVITY	%	33,6

PACKAGING

5 kg and 20 kg containers.

STORAGE

Shelf life of product in correctly sealed container, kept in a dry place, out of direct sunlight: 24 months. The date of manufacture is given on the container lid.
Store at temperatures no higher than 30 °C.
FLAMMABLE PRODUCT.

EQUIPMENT CLEANING

Clean equipment with common solvents after use.

SAFETY RULES

ACRIPLAST ALU is flammable. It is also harmful by inhalation, may cause lung damage if swallowed, is irritating to skin and may cause skin dryness or cracking.
You are advised to wear gloves and safety eyewear during application and to observe usual chemical handling precautions. In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice.
In case of insufficient ventilation, you are advised to use a face mask fitted with filters.
Do not use around pregnant women.
ACRIPLAST ALU is dangerous to the aquatic environment; you are advised not to release product to the environment.
For further, comprehensive information on how to use the product safely, you are advised to refer to the latest version of the Safety Data Sheet.

LEGAL RULES

The values given are approximate average data relating to the current product range and may be edited or updated by Polyglass SpA at any time without any prior notice. As the Customer or User, it is your responsibility to check that the technical data sheet you have is valid for the batch of product in question and, whatever the case, that you have the latest version issued.
Always refer to the latest up-to-date version of the Technical Data Sheet and relevant Declaration of Performance, both of which you can find on our site www.polyglass.com. As the End User, it is your responsibility to check that the product is fit for its intended purpose.

PRODUCT FOR PROFESSIONAL USE

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UNI EN ISO 9001
UNI EN ISO 14001
UNI EN ISO 45001
GREEN BUILDING COUNCIL ITALIA
PRIMI PRODUTTORI ITALIANI MEMBRANE IMPERMEABILIZZANTI

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