

PRODUCT SPECIFICATIONS

Product Description

Silicone based single pack heat resistant (600°) aluminium coating.

Design Feature

- Able to withstand continues temperature up to 600°C.
- Good water & weather resistance.
- Recommended for petrochemical plants, power stations, offshore.
- Suitable for both new construction and as a maintenance coating.
- Achieves full cure when heated up to 200°C for 60 mins.

Physical Characteristics

Recommended Application Data	Wet [µm]	Dry [µm]	m²/l
Theoretical Coverage	83	50	12.0

Volume Solids	:	40 ± 2% (based on ASTM D2697)
Dry Film Thickness Range	:	20 µm to 30 µm
Flash Point	:	38 °C
Finish	:	Metallic Finish
Colour Range	:	Aluminium
Standard Packing Size	:	5 litres

Application Method

AIRLESS SPRAY	:	Tip Size	:	0.33 – 0.38 mm (13 – 15 thou)
Recommended method of application	:	Pressure	:	110 – 150 kg/cm² (1600 – 2100 psi)
BRUSH OR ROLLER	:	May be used. However, the finished aesthetic appearance of the coating will not be as brilliant and attractive as when it is spray applied.		
CONVENTIONAL AIR SPRAY	:	May be used.		

Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Min.	Max.
30 °C	90 minutes	16 hours	16 hours	Indefinite
35 °C	60 minutes	12 hours	12 hours	Indefinite

Useful Information

THINNER	:	SOLVALUX 7-25 (Maximum 10% addition)
CLEANER	:	SOLVALUX 7-25
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	:	12 months minimum when stored as prescribed in the MSDS.

Surface Preparation

The service life span and the service performance of Apcotherm 600AD is directly related to the degree of surface preparation.

STEEL

This product should be applied to an abrasive blast cleaned surface that has been suitably primed, e.g. with Luxatherm 1600 or Zincanode 330. Please follow surface preparation requirements of the specific primer being used. After priming proceed as follows:

- Ensure that the surface to be coated is clean and dry.
- Remove all wax, oil and grease in accordance to guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- A freshwater wash is recommended to remove all loose contaminants and soluble salt deposition.
- Always ensure that the maximum over-coating time for the primer / build coat is not exceeded prior to application.
- Apply Apcotherm 600AD as specified taking care not to exceed recommended film thicknesses.

To avoid condensation of moisture onto substrate prior to coating application, relative humidity should not exceed 85% and substrate temperature should be more than 3°C above Dew Point.

Suitable Primers

Luxatherm 1600, Zincanode 330 (up to 400 °C)

Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Do not over apply this coating. Over-application may lead to blistering and delamination in service.

Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

First Aid

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

R1-072025