

**BERGER****PRODUCT SPECIFICATIONS****BERGER APCOCURE 299**

Polyaspartic Gloss Finish

**PRODUCT
DESCRIPTION**

A two-component, high build, fast drying exterior gloss finish coat.

**DESIGN
FEATURES**

Designed for use as high build durable finish coat over suitable anti-corrosive primer for aggressive environments, i.e. ISO 12944-2 Category C4 and C5M
Fast curing for increased throughput & productivity
High film build in one coat
Excellent salt spray & humidity resistance over organic zinc rich primer
Outstanding weathering properties
Low VOC < 225 g/l

**PHYSICAL
CHARACTERISTICS**

Recommended Application Data Theoretical Coverage	Wet [μ m]	Dry [μ m]	m ² /l
	182	150	5.40
Volume solids	82 $\pm$ 2% (based on ASTM D2697)		
Dry Film Thickness Range	125 μ m to 200 μ m		
Flash Point	29 °C		
Finish	Full Gloss		
Colour Range	Limited Colours		
Standard Packing Size	20 litres set (15 litres Base : 5 litres Hardener)		
Mix Ratio (by volume)	3 Base : 1 Hardener		

**APPLICATION
METHOD**

AIRLESS SPRAY Recommended method of application	Tip Size	: 0.38 – 0.48 mm (15 - 19 thou)
	Pressure	: 160 –200 kg/cm ² (2300 – 2800 psi)
CONVENTIONAL AIR SPRAY	Can be used.	
BRUSH OR ROLLER	Can be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.	

**DRYING &
CURING TIME**

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		*Pot Life @ 50% RH
			Minimum	Maximum	
15 °C	45 minutes	7 hours	7 hours	60 days	2 hours
25 °C	30 minutes	3 hours	3 hours	45 days	1 hour
35 °C	20 minutes	2½ hours	2½ hours	30 days	40 minutes

***Special Note:** The pot life of the product also depends on the % Relative Humidity at the time of mixing and application of the paint. Higher humidity shall lead to lower the pot life of the product.

**USEFUL
INFORMATION**

THINNER	: SOLVALUX 7-25 (Maximum 5% addition)
CLEANER	: SOLVALUX 7-77
STORAGE	Store in a cool dry shaded area.
SHELF LIFE AT 25 °C	: 12 months minimum when stored as prescribed in the MSDS.



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SURFACE PREPARATION

The service life span and the service performance of BERGER APCOCURE 299 is directly related to the degree of surface preparation.

STEEL

- For optimum performance, this product should be applied to a surface that has been blast cleaned and suitably primed with Zinc Rich Epoxy coating like Zincanode 690.
- This coating is usually applied over a suitable primer and to ensure that the underlying system should be sound and undamaged.
- Ensure that the surface to be over-coated is clean, dry, and free from dust, grease and oil, or any other surface contaminants.
- Always ensure the maximum over-coating time for the primer or build-coat has not been exceeded prior to application.

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

Zincanode 685, Zincanode 690

NOTES

- The coating specifications given above are typical. For specific recommendations to suit individual applications. Please refer to your Berger Paints representative.
- Condensation occurring during or immediately after application may result in a drop in gloss and inferior film properties.
- Do not apply this product when the pot-life is exceeded, even if the paint still appears liquid.
- Premature exposure to ponding-water will cause colour change, especially with dark colours and at low temperatures.

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)**

DISCLAIMER

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.