

PRODUCT SPECIFICATIONS

Product Description

Two component, high build, high solid epoxy polysiloxane coating.

Design Feature

- High performance coating designed to provide benefits of corrosion protection.
- Excellent gloss and colour retention.
- High solids, low VOC (48gm/lit).
- Excellent resistance to corrosion
- Good chemical resistance towards splash and spill
- Recommended for direct application over Inorganic Zinc Coating

Physical Characteristics

Recommended Application Data	Wet [μm]	Dry [μm]	m^2/l
Theoretical Coverage	112	100	9.60

Volume Solids	:	96 $\pm$ 2% (based on ASTM D2697)
Dry Film Thickness Range	:	100 μm to 125 μm
Finish	:	Gloss
Colour Range	:	Standard Colours
Standard Packing Size	:	20 litres set
Mix Ratio (by volume)	:	2.35 Base : 1 Hardener
Pot life @ 25°C	:	40 minutes

Important: Mix the two components of this product only when ready to apply. Once mixed apply immediately. As this product has a very short pot life, delays in application may adversely affect levelling properties, which may lead to undesirable surface defects.

Application Method

AIRLESS SPRAY	:	Tip Size	:	0.43– 0.53 mm (17 – 21 thou)
Recommended method of application	:	Pressure	:	160 – 200 kg/cm ² (2300 – 2800 psi)
CONVENTIONAL AIR SPRAY	:	May be used.		
BRUSH OR ROLLER	:	May 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	Hard Dry	Overcoating Interval	
		Min.	Max.
15 °C	12 hours	12 hours	7 days
25 °C	8 hours	8 hours	4 days
35 °C	6 hours	6 hours	3 days

Useful Information

THINNER	:	Not Required
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.

Surface Preparation

The service life span and the service performance of BERGER APCOFINE 905 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 to SA 2 ½ of Swedish Standard and minimum surface profile of 50 microns. Suitably primed and built (e.g. with Zincanode 330 or EPILUX 610 and EPILUX 58HS)
- This coating is usually applied over a suitable primer and undercoat or build-coat. This 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.

CONCRETE

- New concrete should be left for at least 21 days to cure before coating.
- The moisture content of the concrete surface should be checked and ensured to be below 6% when measured with a reliable moisture meter, such as the Sovereign Moisture Meter.
- The surface should be dry, free from surface contaminants, sound and undamaged.
- Apply one coat of suitable primer/sealer such as Epimastic 3000HS applying BERGER APCOFINE 905.

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

Epilux 78, Epilux 171, Epilux 800, Zincanode 685, Zincanode 330, Luxaprime 1501

Suitable Intermediates

Epilux 58 HS, Epilux 218

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)**

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