

**BERGER****PRODUCT SPECIFICATIONS****BERGER APCOFINE 910**

Acrylic Polysiloxane Gloss Finish

**PRODUCT
DESCRIPTION**

A two-component, high build, high solid super durable coating.

**DESIGN
FEATURES**

A high performance acrylic modified isocyanate free topcoat designed to provide dual benefits of corrosion protection and weatherability.

Excellent gloss and colour retention.

Excellent corrosion resistance.

Good Chemical resistance towards splash & spill

Can also be applied directly over inorganic zincs

**PHYSICAL
CHARACTERISTICS**

Recommended Application Data	Wet [μm]	Dry [μm]	m ² /l
Theoretical Coverage	100	75	10

Volume solids 75 $\pm$ 2% (based on ASTM D2697)Dry Film Thickness Range 75 μm to 125 μm

Flash Point 29 °C

Finish Full Gloss

Colour Range Standard Colours

Standard Packing Size 20 litres set (17.8 litres Base : 2.2 litres Hardener)

Mix Ratio (by volume) 8 Base : 1 Hardener

**APPLICATION
METHOD**

AIRLESS SPRAY Tip Size : 0.43–0.53 mm (17 -21 thou)
Recommended method of application

Pressure : 160 –200 kg/cm² (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	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	8 hours	10 hours	10 hours	7 days	3 hours
25 °C	5 hours	6 hours	6 hours	5 days	2 hours
35 °C	3 hour	4 hours	4 hours	4 days	1½ hour

**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.



SURFACE PREPARATION

The service life span and the service performance of BERGER APCOFINE 910 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 and built (e.g. with 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 concrete primer/sealer such as Berger Plastaseal before applying BERGER APCOFINE 910.

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 610, Epilux 78, Epilux 171, Epilux 800, Zincanode 685, Zincanode 330, Luxaprim 1501, Epilux 85
SUITABLE INTERMEDIATES	Epilux 58 HS, Epilux 218, Epilux 85

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.