

EPOTUF 742

Polysiloxane Coating

**PRODUCT
DESCRIPTION**

- Two component high build, high solids, super durable epoxy modified isocyanate free polysiloxane topcoat designed to provide dual benefits of corrosion protection & resistance to harsh weather.

DESIGNED USE

- Designed as a weatherable coating which offers properties both of high performance epoxy and polyurethane in single coat.
- Excellent gloss and color retention and resistance to corrosion
- High solids, VOC compliance
- Good chemical resistance towards splash and spillage.
- Recommended for direct application over Inorganic Zinc Silicate Primers
- Suitable as topcoat for upto C5 Environment as per ISO12944 Part 2

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	90 % \pm 2 %
TYPICAL DRY FILM THICKNESS	100 microns
WET FILM THICKNESS	110 microns
THEORETICAL COVERAGE	9 m ² /liter @ 100 microns DFT
VOC "As Supplied" (ASTM D3960)	90 gms / ltr
COLOUR	Limited RAL Colours
FINISH	Glossy

**APPLICATION
DETAILS****METHOD OF APPLICATION :****AIRLESS SPRAY**

This is the recommended method of application:
0 - 15% Thinner may be added depend up on easiness. Tip Size: 0.41 - 0.53 mm (0.017 - 0.021 in)
Pressure: 160 - 200 kg/cm² (2300 - 2800 psi)

CONVENTIONAL SPRAY

This is also a suitable method of application: 10 - 25% Thinner may be added depend up on easiness.
Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in)
Pressure: 2.75 - 3.45 kg/cm² (40 - 50 psi)

BRUSH OR ROLLER

May be used for difficult shapes or touch-up.
However, additional coats may be required to achieve the recommended film thickness. 0 - 5% Thinner may be added depend up on easiness.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
25°C	8 Hrs.	48 Hrs	8 Hrs	7 Days	3Hrs.
35°C	4 Hrs.	24 Hrs	4 Hrs	7 Days	1½ Hrs.
45°C	1½ Hrs.	10 Hrs	4 Hrs	7 Days	30 Mins.

NO. OF COMPONENTS Two**Mixing Ratio** 6 parts Base to 1 part Hardener (by volume)**Application Conditions** Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

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**ADDITIONAL
INFORMATION**

Thinner / Cleaning solvent
Storage Instruction
Flash Point
Packaging
Shelf Life

Solvalux 7-73
Store in a cool dry shaded area
Mixed 24°C
20 liters
Part A (Base) – 12 months / Part B (Hardener) - 6 months

**SURFACE
PREPARATION**

- Surface should be clean, free from oil and grease before abrasive blasting.
- Steel, blast clean to Sa 3½ of Swedish specification. Blasting profile: 40-70 microns. Heavily pitted steel is not acceptable.
- Round of all rough welds and remove all weld spatters.
- This product is recommended over a ZINCANODE Primers and or EPILUX intermediates coats
- Mist coat / full coat application is recommended while top coating over ZINCANODE Primers.
- Surface must be dry and clean from all contaminants.

**PRODUCT USE
RESTRICTIONS**

- The appearance of the coating will vary depending upon substrate and application method.
- Level of sheen and surface finish is dependent on application method. Best results in terms of gloss and appearance will be always obtained with conventional air spray application.
- As common with all polysiloxane coatings, special care must be taken when applying multiple coats of EPOTUF 742 to ensure that a continuous wet film is applied and a minimum dry film thickness of 100 microns is achieved. Failure to do so may result in pin holing which detract from ultimate appearance and performance.
- The product is not recommended for use in immersion conditions.
- Condensation occurring during or immediately after application may result in matt finish and an inferior film.
- Pot life times must not be exceeded even though the material may be still liquid and appear usable. Failure to comply with this will result in film with inferior performance.
- May also be applied between 50 and 125 Microns DFT
- Contact Berger Representative for suggesting suitable paint system

**SAFETY
PRECAUTIONS**

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- 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
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent 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

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.