

PRODUCT SPECIFICATIONS

Product Description

A two-component solvent-free epoxy clear coating that has been specially designed for use in mortar screed flooring applications and as a concrete primer.

Design Feature

- An anti-corrosive primer or maintenance coating for use in conventional alkyd coating systems.
- Excellent adhesion to steel and aged coatings.
- Can be applied to non-blast cleaned (i.e. hand tooling or power tooling cleaned) surfaces.
- Good anti-corrosive performance.
- Suitable for both interior and exterior exposure.

Physical Characteristic

Recommended Application Data	Wet [μm]	Dry [μm]	m^2/l
Theoretical Coverage	83	50	12.0

Volume Solids	:	60% (based on ASTM D2697)
VOC (Theoretical)	:	Max 450 gm/L
Dry Film Thickness Range	:	40 μm to 80 μm
Flash Point	:	40°C
Finish	:	Matt
Colour Range	:	Red Oxide / Grey
Standard Packing Size	:	5 & 20 Litres

Application Method

BRUSH OR ROLLER	:	Recommended method of application.
CONVENTIONAL AIR SPRAY	:	May be used. Dilution may be required to achieve good atomisation.
AIRLESS SPRAY	:	May be used.
Tip size : 0.43 – 0.53 mm (17 – 21 thou)		
Pressure : 110 –160 kg/cm ² (1600 – 2300 psi)		

Drying Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
			Min.	Max.
15 °C	2 hours	10 hours	6 hours	3 months
25 °C	1 hours	6 hours	4 hours	3 months
35 °C	30 minutes	4 hours	3 hours	3 months

Additional Information

THINNER	:	Not required.
CLEANING SOLVENT	:	Solvalux 7-77
FLASH POINT	:	55°C (Base), 130°C (Hardener)
STORAGE REQUIREMENTS	:	Store in a cool, dry area away from direct sunlight.

Surface Preparation

The service life span and the service performance of Luxaprime 1000 are directly related to the degree of surface preparation.

- Remove all wax, oil and grease by solvent cleaning in accordance to guidelines given by SSPC-SP1.
- Dry brushing to remove soluble salts, dirt and dust.
- Freshwater jetting is required to remove all loose contaminants and soluble salt deposition.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to a minimum standard of St 2 (ISO 8501-1:1988) or SSPC-SP2 taking care to avoid polishing the surface. For optimum performance an abrasive blast to Sa 2 or SSPC SP-6 (commercial blast) is recommended with an average surface profile of 30 to 50 microns.
- Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.

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 Finish Coats

Luxol 1000, Luxol 5000

Notes

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- This product is not suitable for immersed conditions.
- This product is not suitable for exposure to acidic or alkaline environments.

Safety Precaution

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- This product contains low flash point solvents, do not use in poorly ventilated areas especially in confined tank interiors.
- 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.

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