

**BERGER****PRODUCT SPECIFICATIONS****EPI LUXAQUA 10**

Water-based Epoxy Primer

PRODUCT DESCRIPTION

A two-pack, waterborne epoxy primer/Intermediate coat which cures down to 5°C. Contains active corrosion protective pigments & flash rust inhibiting material.

DESIGN FEATURES

General-purpose protective coating system for steel structures in atmospheric exposure.
Outstanding anti-corrosive performance.
Good adhesion to steel substrates.
Particularly suitable when solvents are not permitted because of health & safety reasons.
Can be over coated with two component & conventional paints.
Easy application, both by airless spray & brush.

PHYSICAL CHARACTERISTICS

Recommended Application Data Theoretical Coverage	Wet [µm]	Dry [µm]	m ² /l
	125	75	8.0
Volume solids	60% (based on ASTM D2697)		
Dry Film Thickness Range	75 µm		
Flash Point	Non Flammable		
Finish	Matt		
Colour	Grey		
Standard Packing Size	5 litres set		
Mix Ratio (by weight)	88 Parts Base : 12 Parts Hardener		

APPLICATION METHOD

AIRLESS SPRAY Recommended method of application	Tip Size	: 0.41 – 0.53 mm
	Pressure	: 16 –20 MPa (approx. 160-200atm; 2300–2800 psi)
CONVENTIONAL AIR SPRAY	Tip Size	: 1.5 – 3.00mm
	Pressure	: 0.3 – 0.4 Mpa (approx. 3-4 atm; 43-57 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. These application methods are recommended for stripe coating welds, edges, rivets, etc.	

DRYING & CURING TIME

Substrate Temperature	Touch Dry	Hard Dry	Full Cure	Overcoating Interval		Pot Life
				Minimum	Maximum	
30 °C	1 Hour	12 hours	7 days	4 hours	Indefinite	5 hours

USEFUL INFORMATION

THINNER	:	WATER (Maximum 10% addition for finishing); (Maximum 30% addition for primer)
CLEANER	:	WATER
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE	:	12 months when stored as prescribed in original unopened containers.



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PRODUCT SPECIFICATIONS

SURFACE PREPARATION

The service life span and the service performance of Epiluxaqua 10 are directly related to the degree of surface preparation.

STEEL

- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary removes weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Abrasive blast clean to a minimum standard of Sa2½ (ISO 8501-1:1988) or SSPC-SP10 with an average surface profile of 50 to 75 microns.
- Ensure that all surface defects detected after blast cleaning is ground, filled or treated in a suitable manner.
- After blasting, remove dust from the surface. Ensure that the surface to be coated is clean, dry and free from any contaminants.
- Good ventilation is required in the confined areas to ensure proper drying.
- The coating should not be exposed to oil, chemical or mechanical stress until fully cured.

To avoid condensation of moisture onto substrate prior to coating application, substrate temperature should be more than 3°C above Dew Point.

SUITABLE INTERMEDIATES	Epiluxaqua 60
SUITABLE FINISHES	Epiluxaqua 50, Luxathanaqua 50

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.
- Avoid application of excessive thickness as it will require longer periods to cure.

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.

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.