

**BERGER****PRODUCT SPECIFICATIONS****EPI LUXAQUA 50**

Water-based Epoxy

**PRODUCT
DESCRIPTION**

A two-pack, high performance, waterborne epoxy finish designed for applications on concrete surfaces and floor coating with low VOC.

**DESIGN
FEATURES**

A high performance coating for concrete floors where high abrasion & impact resistance is desired e.g. industrial floors, car parks, warehouses etc.
Excellent flow and levelling properties.
Excellent gloss retention and overall durability properties.
Resistance to spillage or splashes of mild chemicals.
Good adhesion over aged coating systems.
Has an extremely low VOC level of 40 grams per litre only.

**PHYSICAL
CHARACTERISTICS**

Recommended Application Data	Wet [μm]	Dry [μm]	m ² /l
Theoretical Coverage	150	75	6.67

Volume solids	50% (based on ASTM D2697)
Dry Film Thickness Range	75 μm to 90 μm
Flash Point	42°C
VOC	40 g/l
Finish	Gloss & Semigloss
Colour Range	Standard and customized colours available.
Standard Packing Size	5 litres set
Mix Ratio (by volume)	4 Parts Base : 1 Part Hardener

**APPLICATION
METHOD**

ROLLER	This is the recommended method of application. Dilute, if necessary, with tap water prior to application. Do not exceed the recommended maximum thinning ratio indicated below.
BRUSH	May be used for small areas and touch up.
SPRAY	May be used.

**DRYING &
CURING TIME**

Substrate Temperature	Touch Dry	Hard Dry	Full Cure	Overcoating Interval		Pot Life
				Minimum	Maximum	
15 °C	8 hours	24 hours	10 days	48 hours	Indefinite	2 hours
25 °C	5 hours	16 hours	5 days	24 hours	Indefinite	1.5 hours
35 °C	4 hours	12 hours	3 days	16 hours	Indefinite	1 hour

**USEFUL
INFORMATION**

THINNER	:	WATER (Maximum 15% addition for finishing); (Maximum 30% addition for primer)
CLEANER	:	WATER
STORAGE	:	Store in a cool dry shaded area.
SHELF LIFE	:	24 months when stored as prescribed in original unopened containers



SURFACE PREPARATION

The service life span and the service performance of this product is directly related to the degree of surface preparation.

- ☐ New concrete should be left for 28 days to cure before coating.
- ☐ Old concrete should be prepared by shot/grit blasting or scrubbling to provide for a rough surface profile. Alternatively, a concrete etch primer such as Luxaprime 1900 may be used.
- ☐ Blowholes and other defects in the concrete should be filled with suitable filler compounds.
- ☐ The surface to be coated should be sound, dry and free from all foreign matter such as dirt, dust, oil and grease.
- ☐ For application over aged coatings, thorough sanding is required. All loose and flaking coatings should be taken back to a firm edge.

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

SUITABLE PRIMERS	Epiluxaqua 10
SUITABLE INTERMEDIATES	Epiluxaqua 50, Epiluxaqua 60

NOTES

- 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.

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.