

## Renfloor CL 100

**Description:**

**Renfloor CL 100** is a solvent-free, two-component, high build polyamine cured epoxy varnish, which cures to a coating with excellent resistance to fresh water, sea water, oils, and to abrasion.

**Recommended use:**

It is used as a primer on surfaces that will be subsequently coated with epoxy flooring systems, as a binder for preparing epoxy mortars with the addition of quartz sand and for sealing cementations floors at industrial areas and warehouses.

**Areas of Use:**

Warehouse floors, Chemical plants, Textiles & Paper industries, Laboratories, Canneries, Workshops floor...etc.

### PHYSICAL CONSTANTS:

<b>Shade /Colors:</b>	Transparent
<b>Finish:</b>	High Gloss
<b>Volume solids %:</b>	97 %
<b>Solids by weight (%):</b>	98 %
<b>Theoretical spreading rate:</b>	9.70 m <sup>2</sup> /ltr (100 micron DFT)
<b>Recommended DFT:</b>	75- 100 micron
<b>Flash point:</b>	120 ° C. /248 °F
<b>Specific gravity:</b>	1.1 kg/liter
<b>VOC :</b>	10 g/ltr
<b>Surface dry:</b>	1 - 2 approx. hour(s) 20°C/68°F
<b>Dry to touch:</b>	2 - 4 hour(s) 20°C/68°F
<b>Hard Dry:</b>	6 -8 hour(s) 20°C/68°F
<b>Fully cured:</b>	7 days 20°C/68°F

## APPLICATION DETAILS:

**Mixing ratio:**

BASE : CURING AGENT

2 : 1 (by volume or by weight)

**Application method:**

Airless spray / Brush and roll / Metal Trowel.

**Thinner (max.vol.):**

Not recommended to add any thinner.

**Thinner Name**

Not recommended to add any thinner.

**Pot life:**

2 approx. hour(s) 20°C/68°F

**SURFACE**

**PREPARATION:**

**Concrete:** Remove slip agent and other possible contaminants by emulsion washing followed by high pressure hosing with fresh water. Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching.

**Maintenance:** In case that longer time than predicted interferes between the application of successive layers or in case that old floors are going to be laid again, the surface should be thoroughly cleaned and ground before application of the new layer.

**Thermally sprayed metallic coatings:** Should be applied shortly after the metal coat has been applied and approved to prevent possible contamination of the porous coating.

**PRECEDING COAT:**

None, or as per specification.

**Mixing:**

Before mixing with the curing agent, stir the base thoroughly in order to prevent any possible settling after storage. After mixing it is equally important to maintain stirring to keep the wet paint as a Homogeneous mixture.

**Moisture:**

Epoxy layers should be protected from moisture for 4-6 hours after application. Moisture may whiten the surface or/and make it sticky. It may also disturb hardening. Faded or sticky layers in parts of the surface should be removed by grinding or milling and laid again.

**Pot Life:**

Working time for epoxy systems decreases when ambient temperature rises.

**Weathering:**

The natural tendency of epoxy coatings to chalk in outdoor exposure.

**APPLICATION  
CONDITIONS:**

Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces, provide adequate ventilation during application and drying.

**Renfloor CL 100 for professional use only.**