BCI BUILDING CHEMISTRY INDUSTRY

BC Epoxy SL Sealer

Product Description:-

Two part epoxy exhibiting superior adhesion to concrete and steel. Used primarily as a primer/ sealer for concrete surfaces and top coated with a variety of chemically resistant toppings.

DESIGN FEATURES:

Outstanding wetting properties
- Solvent-free
- Long working time
- Excellent adhesion
- Compatible with a variety of toppings

TYPICAL USE AREAS:

Car park areas
Process Areas
Tank Farm Floors
Production Areas
Spill Containment Areas
Light Manufacturing

HYSICAL CHARACTERISTICS:

Sl.no	Property	Test standard	Product values
1	Solids by Volume	ASTM 2697	100+/-2
2	Density	ASTM D1475	1.15 kgs/ Lit
3	Pot life	BCI -TM	40-45 Mins
4	DFT (Microns)	BCI -TM	100- 500 µ
5	Coverage	Measured	1-2 Sqm /Kg

COLOR:

Amber Liquid

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

BCI BUILDING CHEMISTRY INDUSTRY

SURFACE PREPARATION:

Sl.no	Substrate	Minimum	Recommended
1	Coated surfaces and Concrete	Remove all loose concrete. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require filling/surfacing.	Remove all loose concrete. Prepare surfaces in accordance with ASTM D4258 Surface Cleaning of Concrete and ASTM D4259 Abrading Concrete. Voids in concrete may require filling/surfacing.

Laitenance deposits are best removed by pletanory rotary disc grinder or captive blasting followed by vaccum cleaning to remove old debris, dust before application of penetrating sealer

SYSTEM GUIDE:

1st Coat : BC Epoxy SL Sealer	200- 500 µ (0.2-0.5 mm)
2nd Coat : BC Epoxy SL Screed	1000-2000 µ (2-3 mm)
3rd Coat : BC Epoxy SL 140	500-1000 µ (0.5 -1 mm)

MIXING :

Mix Part A resin with Part B hardener until uniform in color and consistency.

APPLICATION METHOD:

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.
This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80% as measured in accordance with BS 8203 Appendix

BCI BUILDING CHEMISTRY INDUSTRY

ISO QSCert 9001 OHSAS QSCert 18001 ISO QSCert 14001

CURING SCHEDULE:

Sl.no	Surface temperature	Tack free	Hard Dring
1	Ambient temperature(32.C)	5-6 Hours	8-12 Hours

PRODUCT MIXING RATIO:

BC Epoxy SL Sealer Part A - 2 Parts
BC Epoxy SL Sealer Part B - 1 Part

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.

Eyes:

Eyes In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.

Skin:

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 Safety Data Sheet (SDS)

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

STORAGE :

Store in a cool dry shaded area.

Shelf Life:

At 25 °c: 12 months minimum when stored as prescribed in the SDS.

PACKING SIZE:

Kit Size
30 Kgs
6 Kgs
Part -A : 20 Kgs
Part -A 4 Kgs
Part- B : 10 Kgs
Part -B 2 Kgs

DISCLAIMER:

To the best of our knowledge, the information presented in this document is latest and accurate. However, the above named manufacturer assumes no liability whatsoever related the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and must be used with caution. Although most known hazards are documented herein, we cannot guarantee that only those hazards exist.