

# BC Floor 2000 SL

## Product Description:-

BC Floor 2000 SL is a 100% solids ,high performance coating designed for concrete .BC Floor 2000 SL is a self levelling coating which may be applied as a neat , aggregate filled system or It shall be applied over reinforced systems . BC Floor 2000 SL is designed to with stand vehicular traffic and some of the Industry's most aggressive chemicals .

## DESIGN FEATURES:

- Excellent resistance to chemical attack
- Excellent abrasion and impact resistance
- Excellent thermal shock resistance and superior bonding qualities
- Low stress and highly flexible film
- Low permeability
- Low odour

## TYPICAL USE AREAS :

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

## PHYSICAL 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

## COLORS:

RAL and Customer approved colours



### **SAFETY PRECAUTION:**

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.

### **SYSTEM GUIDE :**

1 <sup>st</sup> Coat : BC Epoxy SL Sealer	200- 500 $\mu$ (0.2-0.5 mm)
2 <sup>nd</sup> Coat : BC Epoxy SL Screed	1000-2000 $\mu$ (2-3 mm)
3 <sup>rd</sup> Coat : BC Epoxy SL 140	500-1000 $\mu$ (0.5 -1 mm)

### **MIXING:**

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

#### **APPLICATION METHOD**

This product can be applied by Squeegee or roller to get a dry film thickness of 500 to 1000 $\mu$  depending on end service requirements .

### **APPLICATION CONDITIONS:**

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

#### **Building Chemistry Industry**

Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.

Email: [info@bcisaudi.com](mailto:info@bcisaudi.com) Website: [www.bcisaudi.com](http://www.bcisaudi.com)



### 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 140 Part A - 2 Parts  
BC EPOXY SL 140 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.

### 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.





## **STORAGE INFORMATION:**

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:**

30 Kgs

Part -A : 20 Kgs

Part- B : 10 Kgs

6 Kgs

Part -A 4 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

