

## ConFloor EP SL

Epoxy Self-Levelling Flooring System (2-3 mm)

### DESCRIPTION

ConFloor EP SL is a four component, Epoxy flooring system based on specially selected epoxy resins & hardeners to produce self-smoothing seamless & durable industrial flooring system.

ConFloor EP SL is available in standard colors and exhibit excellent hygienic properties.

### USES

ConFloor EP SL is suitable for:

- Pharmaceutical Production Plants
- Laboratories
- Hospital Operation Theatres
- Medicine Warehouses
- De-Contaminable areas
- Food Industry
- Textile Processing Plants
- Power Plants
- Airplane Hangers
- Car Showrooms
- TV Studios
- Schools and Colleges

### ADVANTAGES

- Seamless
- Durability
- Easy application
- Excellent adhesion
- Low maintenance

### Technical Specs & Physical Properties

Appearance	Four Component Epoxy Flooring A = Base B = Hardener C = Aggregate D = Color Pack
Packing	18 Kgs. (4 Components)
Mixed Density	2.0 Kg./- Ltr.
Pot Life@20°C:	45 minutes
Recoat time@20°C:	18 Hrs.
Traffic Time Pedestrian:	24 Hrs.
Light vehicle:	48 Hrs.
Full Cure:	7 Days.
Temperature Resistance	-20 <sup>0</sup> to +60 <sup>0</sup>
Shelf Life	12 Months at 10 <sup>0</sup> -30 <sup>0</sup> , stored in original packing under covered area.

### APPLICABLE STANDARDS

ConFloor EP SL confirms with **ASTM C-881**

### APPLICATION INSTRUCTIONS

#### Surface Preparations:

All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a solid foundation. The compressive strength of the floor substrate should not be less than 3,250 PSI. The moisture

content of the substrate should not be higher than 5%.

Whole floor surface should be grinded to achieve smooth and solid surface. All existing construction and expansion joints should be cleaned and treated before priming the substrate. Fill any holes or large depressions with an epoxy scratch coat to minimize any surface defects.

**Mixing:**

**ConFloor EP SL** is supplied in proportionate 4-component containers. Only full containers may be mixed.

1<sup>st</sup> of all add component A, in a mixing bucket. After stirring the A-component add component D and then B component is added and mixed for about 20-25 seconds using an electric stirrer (spiral stirrer). After adding the aggregate, component C, the mixture is stirred homogeneously for 1.5–2 minutes depending on ambient temperature.

**Scratch Coat:**

(Priming of Porous Substrates):

**ConFloor EP SL** is poured onto the properly prepared, vacuum shot blasted substrate and spread across the floor with a trowel.

**Flooring:**

**ConFloor EP SL** is poured onto the substrate and spread to a layer of required thickness with a trowel. Immediately following application, the flooring must be vented with a spiked roller. In order to avoid edges forming, adjoining areas must be laid within 20 minutes.

**PACKAGING**

**ConFloor EP SL** is supplied in 18 Kgs. Packing.

**COVERAGE**

Coverage 6 Kgs. Per M<sup>2</sup> /- 3 mm thickness.

**STORAGE**

**ConFloor EP SL** is epoxy based resin & it must be stored in the original unopened containers at 10<sup>0</sup> C - 30<sup>0</sup> C.

**HEALTH & SAFETY PRECAUTIONS:**

Where temperatures is less than 5<sup>0</sup> C or greater than 35<sup>0</sup> C are encountered, contact our Technical Staff for specific advice. **ConFloor EP SL** is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs, seek medical advice before continuing use.

**TECHNICAL SERVICES:**

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

**Important Note:**

**RADIANT Construction Technologies** manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.