

## CONCOAT SL

### Solvent Free Epoxy Flooring Self Leveling

#### DESCRIPTION

**CONCOAT SL** is three components solvent free epoxy resin self-leveling floor coating. It is applied at various thicknesses 2.0 – 5.0 mm. It forms a hard coating with excellent abrasion resistance and high compressive strength. It cures to a glossy, seamless, impervious finish which can be easily cleaned.

**CONCOAT SL** complies with British standards BS 476, Part 7: 1971 and BS 5493 - 1971.

#### USE

**CONCOAT SL** is heavy duty traffic floor coating suitable for use in polyclinics, kitchens, plants rooms, laboratories, production assembly areas, workshops, dairies, soft drinks production and bottling plants and showrooms.

**CONCOAT SL** provides a hard wearing, easily cleaned and attractive floor coatings in areas where high resistance to chemical attack is required.

#### ADVANTAGES

- High impact resistance.
- Hard wearing – durable.
- Low maintenance costs.
- High abrasion resistance.
- Provides hygienic – impervious finish
- High chemical resistance.
- Apply at various thicknesses 2.0 - 5.0 mm.
- It is available in a wide range of colors.



#### SURFACE PREPARATION

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be used sponge dried to remove all surface water, then dried. Treat oil or grease contamination should be removed by degreaser followed by water or steam cleaning.

**New concrete floors** should be at least 28 days and have a moisture content of less than 5%. Excessive laitance should be removed by mechanical method. Dust and other debris should be removed by vacuum cleaning.

**Old concrete floors** damaged areas or surface irregularities should be repaired by using EPOMORTAR FC two component fast curing epoxy mortar (Refer to TDS).

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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**Steel surface** should be grit blasted then clean by solvent and kept to dry.

**Epoxy Screeds** high spots or trowel marks should be rubbed down and remove dust and debris by vacuum cleaning then repair it by using **EPOSCREED 10** three component epoxy screed (Refer to TDS).

**Steel surface** should be grit blasted then clean by solvent and kept to dry.

*Priming:* All substrate should be coated by epoxy primer e.g. **PRIME EPS** (two components solvent base epoxy primer, refer to TDS).

#### MIXING

Pour the entire contents of the hardener container into the base container and the two materials mixed thoroughly for at least 3 minutes. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean. Then add gradually aggregate bag during mix and continue mixing for 2 minutes until a completely homogenous colored material is obtained. Use of heavy duty slow speed power drill with a jiffy mixing blade.

Do not add solvent thinners at any time.

#### APPLICATION

**CONCOAT SL** is recommended to apply in 2000 microns minimum. Ensure that the area is completely covered. Once the material mixed should be poured onto primed surface completely. Spread the material by using spiked roller or steel comber trowel comply with the required thickness.

#### COVERAGE

8 m<sup>2</sup> /pack at 2 mm (WFT).

#### CLEANING

Tools and equipment can be cleaned immediately by using **THINNERCOAT 10** organic solvent.

#### PACKAGE

16 liter pack (including colored base and hardener)

#### STORAGE

Product should be stored at 25°C in dry conditions.

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#### TECHNICAL PROPERTIES

Mixed Density	1.85 ± 0.05
Volume Solids ASTM D 2823 - 91	100 % ± 1
Application Temperature	10 °C to 45 °C.
Tack Free Time	2 hours at 35 °C.
Initial Hardness	20 hours at 35 °C.
Pot Life	50 minutes at 35 °C.
Full Cure	7 days at 35 °C.
Shore A Hardness ASTM D 2240 – 91	80
Compressive Strength ASTM C 579 B	> 65 N/mm <sup>2</sup>
Flexural Strength BS 6319	> 35 N/mm <sup>2</sup>
Abrasion Resistance (ASTM D 1044-85, CS-17 Wheel 500 gm load)	100 cycles < 1.0 mg 500 cycles < 4.5 mg 1000 cycles < 9.0 mg
Chemical Resistance:	Gasoline Resistant Petrol Resistant Diesel Resistant Engine Oil Resistant Kerosene Resistant Skydrol Resistant NaOH 20% Resistant H <sub>2</sub> SO <sub>4</sub> 10% Resistant HCl 10% Resistant Acetic 5% Resistant

#### FLAMMABILITY

**CONCOAT SL** is nonflammable material.  
**THINERCOAT 10** so do not expose to naked flames during application.

#### SHELF LIFE

12 months in tightly closed container.

#### HEALTHY AND SAFETY

The application of material should be in good ventilation and avoid inhalation of the vapors. Use goggles and vinyl gloves. In case of contact with eyes, rinse immediately with plenty of clean water, do not use solvent and seek medical attention immediately. The product complies with environmental and occupational health & safety standards ISO 14001 and OHSAS 18001.

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