

## CONCOAT EP150

### Solvent Base Epoxy Floor Coating

#### DESCRIPTION

**CONCOAT EP150** is a high performance, two component, solvent based epoxy resin floor coating. The cured film forms a hard coating with excellent adhesion to concrete, and granolithic screeds, and certain metal surfaces. It cures to a semi-gloss finish, impervious finish which is easily cleaned.

**CONCOAT EP150** is available in wide range of colors and in clear grade.

**CONCOAT EP150** complies with BS 476, Part 7: 1971 and BS 5493 - 1971.

#### USE

**CONCOAT EP150** is medium duty traffic floor coating suitable for use in production assembly areas, workshops, dairies, soft drinks production and bottling plants, kitchens, showrooms, wet working areas and car parking areas.

**CONCOAT EP150** provides a hard wearing, easily cleaned and attractive floor coatings in areas where high resistance to chemical attack is required.

**CONCOAT EP150** is used as a final coating and sealer for concrete floors and as a finish coat for epoxy floor screeds to provide a more durable and easily cleaned surface where high impact is desirable.

#### ADVANTAGES

- High impact resistance.
- Hard wearing – durable.
- Low maintenance costs.
- High abrasion resistance.
- Provides hygienic – impervious finish
- Primerless.
- Excellent adhesion to various substrates.
- Applicable to apply on floor and walls.
- High abrasion resistance.
- Provides hygienic – impervious finish.



#### 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.

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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**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).

**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.)

#### MIXING

The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly for at least 3 minutes. Use of heavy duty slow speed power drill with a jiffy mixing blade. Mix the two components in the quantities supplied taking care to ensure hardener container is scraped clean. Do not add solvent thinners at any time.

#### APPLICATION

**CONOCOAT EP150** is recommended to apply in two coats. **CONCOAT EP150** can be applied to prepared surface using airless spray, brush or roller.

Ensure that the area is completely coated.

The second coat can be applied after the first coat has initially dried (typically 12 to 18 hours at 35 °C).

#### COVERAGE

10 m<sup>2</sup> /litr at 100 microns (WFT) in two coats.

#### CLEANING

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

#### PACKAGE

16 litr pack (including colored base and hardener)

#### STORAGE

Product should be stored at 25°C in dry conditions and keeping away from source of flame.

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Date Revised: 1<sup>st</sup> July 2015

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#### TECHNICAL PROPERTIES

Mixed Density	1.3 ± 0.05																		
Volume Solids ASTM D 2823 - 91	70 % ± 5																		
Application Temperature	12 °C to 35 °C.																		
Tack Free Time	1-2 hours at 35 °C.																		
Initial Hardness	20 hours at 35 °C.																		
Pot Life	5 hours at 35 °C.																		
Full Cure	5 days at 35 °C.																		
Shore A Hardness ASTM D 2240 - 91	80																		
Pull - Off (On concrete) ASTM D 4541 - 85	2.5 N/mm <sup>2</sup> (CF)																		
Abrasion Resistance (ASTM D 1044-85, CS-17 Wheel 500 gm load)	100 cycles 5 -10 mg 500 cycles 35 - 45 mg 1000 cycles < 90 mg																		
Flash Point	32 °C.																		
Chemical Resistance	<table style="width: 100%; border: none;"> <tr><td>Gasoline</td><td>Excellent</td></tr> <tr><td>Petrol</td><td>Excellent</td></tr> <tr><td>Diesel</td><td>Excellent</td></tr> <tr><td>Engine Oil</td><td>Excellent</td></tr> <tr><td>NaOH20%</td><td>Good</td></tr> <tr><td>H<sub>2</sub>SO<sub>4</sub>10%</td><td>Good</td></tr> <tr><td>HCl10%</td><td>Good</td></tr> <tr><td>Acetic 5%</td><td>Good</td></tr> <tr><td>Brake fluid</td><td>Excellent</td></tr> </table>	Gasoline	Excellent	Petrol	Excellent	Diesel	Excellent	Engine Oil	Excellent	NaOH20%	Good	H <sub>2</sub> SO <sub>4</sub> 10%	Good	HCl10%	Good	Acetic 5%	Good	Brake fluid	Excellent
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#### **FLAMMABILITY**

**CONCOAT EP150** and **THINERCOAT 10** are flammable materials 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.