Nova Vernici

CONCOAT EP150

Solvent Base Epoxy Floor Coating

Technical Data Sheet

Composition and Application Field

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.

Uses

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 High chemical resistance.
- Applicable to apply on floor and walls.

Primerless

Surface Preparation

All surfaces should be clean, dry and free from dust and other contaminants. Use a dry sponge to remove water on wet surfaces. Treat oil or grease contamination should be removed by degreaser followed by water or steam cleaning.

New concrete floors should be cured for 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 components 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 Method

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

10m²/L at 100microns (WFT) in two coats

Cleaning

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

Package

16 liter pack (including colored base and hardener).

Technical Properties

Mixed Density	1.50 + 0.02
Volume Solids ASTM D 2823-91	70% ± 1
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 course) ASTM D 4541-85	2.5 N/mm² (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 ASTM D1308	Gasoline Excellent Petrol Excellent Diesel Excellent Engine Oil Excellent NaOH 20% Good H_2SO_4 10% Good HCl 10% Good Acetic 5% Good Brake fluid Excellent

Storage and Shelf Life

Product should be stored at 25°C in dry conditions.
18 months in tightly closed container.

Flammability

CONCOAT EP150 and **THINNERCOAT 10** are flammable materials so do not expose to naked flames during application.

Health and Safety

The application of materials 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 environment and occupational health & safety standards ISO 14001 and OSHA 18001.

Data Sheet. Nova reserves the right to modify the contents of the Data Sheet at any time and without prior notice as a system requirement in updating the product.

This Technical Data Sheet surpasses all prNovaously issued versions.