EPKOTE PE280

High performance epoxy resin floor coating

Description:

EPKOTE PE280 is a two component solvent based, epoxy resin coating system supplied in preweighed packs ready for on-site mixing and use .The cured film forms a hard but flexible coating with excellent adhesion to clean concrete, sand, cement and granolithic screeds, and certain metal surfaces. It cures to a semi-gloss, impervious finish which is easily cleaned. The product is available in a range of standard colors.

Uses:

- To provide a hard wearing, easily cleaned, attractive floor coating in areas where high resistance to chemical attack is required
- It is suitable for use in production assembly areas, workshops, dairies, soft drinks production and bottling plants, kitchens, showrooms etc.
- It is particularly suitable in wet working areas and where chemical spillage is likely, e.g. plating shops, processing plants, dye works etc.
- It can also be used as a final coating and sealer for epoxy floor screeds to provide a more durable and easily cleaned surface where high impact is desirable.

Advantages:

- Hard wearing surface
- Durable floorings
- Low maintenance costs
- High resistance to a wide range of industrial chemicals
- Impervious finish provides easily cleaned surface
- Available in a range of colors

Product Standard Compliance:

- BS 476, Part 7: 1971 - Class 1

Company Standard Compliance:

Technical Information:

Properties	Specification
Pot life	4 hrs @20°C 1.5 hrs @35°C
Tack free time	4-6 hrs @20°C 2-4 hrs @35°C
Time between coats	6-24 hrs @20°C 4-16 hrs @35°C
Initial Hardness	24 hrs @20°C 18 hrs @35°C
Full cure	7 days @20°C 5 days @35°C
Wet film thickness (per single coat)	100 microns
Total Dry film thickness (2 coats)	90 microns
Mixing Ratio (Base : hardner)	3:1

Citric Acid 10 %,Hydrochloric Acid (10%), Lactic Acid (10%), Sulphuric Acid (10%)	Resistance

Application Procedure:
Surface Preparation:

- It is essential that EPKOTE PE280 is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the floor coating and substrate. Because EPKOTE PE280 is a relatively thin coating, the substrate must be fine textured.
- New concrete surface should normally have been placed for at least 28 days and have a moisture content of less than 5%.
- Steel substrates should be grit blasted to surface quality SA 2½ (BS 4232: Second Quality) and primed with a single coat of Primer Sealer.

Mixing:

- The entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly, then add the color pot and mix for at least 3 minutes.

Application:

- The mixed EPKOTE PE280 should be applied to the prepared surface using airless spray, brush or lamb's wool roller.
- Ensure that the area is completely coated and that 'ponding' of the material does not occur.
- The second coat may be applied as soon as the first coat has initially dried (typically 12 to 18 hours).

- For better maintain should be required by regular cleaning of EPKOTE PE280 may be carried out using a rotary scrubbing machine with a water miscible cleaning agent or by hot water washing at temperatures up to 50°C.

Limitation:

- EPKOTE PE280 should not be installed at temperatures below 5°C.
- EPKOTE PE280 should not be applied to asphalt floors or PVC tiles or sheet.
- EPKOTE PE280 should not be applied onto surfaces known to or are likely to suffer from rising dampness or have a relative humidity greater than 75%

Coverage:
10 m²/liter @ 100 microns per coat (2 coat application recommended).

Packaiging:
EPKOTE PE280 is supplied in 500 gm., 1kg, 5kg, 10kg & 20kg set.

Storage & Shelf-life:
12 months from the date of manufacturing if stored in cool & dry place under shaded area unopened.

Health & Safety:
Some people are sensitive to epoxy resin on skin contact. Gloves and barrier creams should be used when handling cleaning SOLs and EPKOTE PE280. If contact with the skin occurs, wash with soap and copious amounts of water. Solvent shall not be used. Direct contact with the eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought. The use of goggles when mixing is recommended. Smoking to be avoided.

It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.

ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.

ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations,Demonstrate commitment to quality, and Identify and improve processes that lack consistency.

ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

REDWOP CHEMICALS PVT. LTD.
Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat (IN) 360005 India
info.redwop@gmail.com http://redwop.net 9724655551 0281 2576664