EPKOTE PE280

High performance epoxy resin coating

EPOXY COATING

Description

EPKOTE PE280 is a two component solvent based, epoxy resin coating system supplied in pre-weighed 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 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 screeds to provide a more durable and easily cleaned surface where high impact is desirable.

Advantages

- Hard wearing surface
- Durable Coating
- Low maintenance costs
- High resistance to a wide range of industrial chemicals
- Impervious finish provides easily cleaned surface
- Can be used on concrete, stone, bricks, steel etc surfaces

Standard compliance:

- BS 476, Part 7: 1971 - Class 1

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Technical Information

Properties	Results	
	@20°C	@35°C
Pot life	4 hrs	1.5 hrs
Tack free time	4-6 hrs	2-4 hrs
Time between coats	6-24 hrs	4-16 hrs
Initial Hardness	24 hrs	18 hrs
Full cure	7 days	5 days
Wet film thickness (per single coat)		100 microns
Total Dry film thickness (2 coats)		90 microns
Citric Acid 10 %,Hydrochloric Acid (10%) ,Lactic Acid (10%), Sulphuric Acid (10%)		Resistance

Method of Application

- It is essential that EPKOTE PE280 is applied to sound, clean, dry substrates in order to achieve maximum adhesion between the 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
- 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.
- 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 on to surfaces known to or are likely to suffer from rising dampness or have a relative humidity greater than 75%

Coverage

- 8 m²/kg @ 100 microns per coat (2 coat application recommended).

Packaiging

- It is supplied in 1kg, 5kg, 10kg & 20kg set.

Shelf-Life

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

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