

Rokcoat EPSF (formerly Dr.Fixit Unitop EPT 308)



EPOXY SOLVENT FREE COATING

Description

Rokcoat EPSF is a solvent-free, pigmented, high build epoxy floor coating used to provide smooth or slip resistant floor finishes. Rokcoat EPSF is provided as a two component factory pigmented product.

Typical Applications

- Manufacturing plants
- Pharmaceutical production
- Medical facilities
- Car Parks
- Food and beverage manufacturing
- Warehousing
- Aircraft Hangers
- Vehicle maintenance areas
- General anti-slip surfacing

Features

- Solvent-free
- Easy to apply
- Two component, easily mixed
- Skydrol Resistant
- High gloss finish
- Slip resistance aggregate can be incorporated.
- Hard wearing
- Seamless

Packaging

15 Ltr unit

Specification

The floor coating will be Rokcoat EPSF supplied by Pidilite MEA. A minimum two coats will be applied to provide a minimum 400 microns DFT. Preparation and application will be as per the manufacturers' current method statement.

Method of Application

1 SURFACE PREPARATION

- Concrete and screed should be at least 28 days old with a maximum relative humidity at the surface of 75% when measured with a hygrometer to BS 8201-81. Surfaces must be free of all contaminants and the dense surface laitance removed.
- Prepare the substrate by either shotblasting, scabbling or diamond grinding to remove surface laitance, unsound material, plaster, existing paint finishes, oil, grease and any other contaminants to provide a clean, open textured substrate.

- Expansion, control & isolation of joints shall be carried through Rokcoat EPSF
- Vacuum to remove all dust and debris deposits created by the preparation process. Any making good should be carried out using a suitable Dr Fixit repair mortar (consult Technical Department).
- If the substrate is friable or exceptionally porous it may be necessary to prime the substrate with Rokprime EPSF epoxy primer.

2 MIXING

- The entire contents of part B (hardener) should be poured in to the part A (resin) and thoroughly mixed using a suitable slow speed electric mixer for one minute. The sides of the container should then be scraped and mixing should continue for a further 2 minutes.

3 APPLICATION

Smooth Finishes

- Rokcoat EPSF should be applied as soon as the mixing process is completed using a medium pile roller. For smooth finishes apply at 0.2-0.25ltr/m² per coat dependent on the nature and texture of the substrate to achieve a DFT of between 0.4-0.5mm for a two coat application. The second coat should be applied after a minimum of 8 hours and must be applied within 36 hours at 25°C.

Antislip Finishes

- A variety of slip resistant finishes can be achieved. The first coat of Rokcoat EPSF can be broadcast with Rok Anti-slip Aggregate whilst still wet, either to scatter the aggregate leaving much of the base coat exposed, or to completely saturate the base coat. Once the base coat is trafficable (approx. 8 hours) any excess aggregate should be removed and a further one or two coats of Rokcoat EPSF applied as per the specification to achieve the desired texture. Slip Resistant finishes will typically require 0.25-0.45 ltrs/m per second coat of Rokcoat EPSF, dependent on aggregate coverage and size. Alternatively for exterior use Rok Polyurethane Top Coat may be applied as final coat for increased UV stability.

4 CURING

- Allow the material to cure for a minimum of 24 hours for foot traffic and 72 hours for vehicle traffic at 25°C.

5 JOINT DESIGN

- All movement joints in the substrate should be brought through the finished floor. Re-form using a diamond saw and seal using a suitable Dr Fixit joint sealant.

RoKcoat EPSF (formerly Dr.Fixit Unitop EPT 308)



EPOXY SOLVENT FREE COATING

6 CLEANING

- All tools should be cleaned using Rok Resin Cleaner.

Note:

- There should be a fully functioning vapour barrier below all concrete substrates.
- Surface moisture content of the concrete substrate should be less than 4%.

TECHNICAL DATA	
Compressive Strength	>70N/mm ² (BS 6319, Part 2)
Tensile Strength	>20N/mm ² (BS 6319, Part 7)
Flexural Strength	>40N/mm ² (BS 6319, Part 3)
Adhesion bond to concrete	>2.5N/mm ² (Failure in concrete)
Chemical Resistance	Resistance to various chemicals like acids, alkalis, fuels, oil etc
Service Temperature	+ 5°C to + 70°C

	@20°C	@30°C
Pot Life	40 minutes	20 minutes
Maximum Overcoat Time	36 hours	16 hours
Accept Light Traffic	24 hours	18 hours
Accept Full Traffic	48 hours	24 hours
Full Chemical Cure	7 days	5 days

Storage

When stored in dry conditions out of sunlight in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C will reduce shelf life and product performance.

Health and safety Precautions

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for further information.

Estimation

Standard Coverage (Theoretical)

RokPrime EPSF: 0.15 – 0.20 Ltr/m² (Recommended for highly porous & rough surface profile)

RokCoat EPSF: 0.20 – 0.25 Ltr/m² @ 200 -250 microns WFT/DFT per coat

RoK Antislip Grain (Optional for anti-slip surface): 1-3 kg/m² depending upon texture requirement.

RoK Polyurethane Top Coat (Recommended For exterior area/UV resistance): 0.16 – 0.20 Ltr/m² at 90 – 110 microns DFT.

Note: Coverage figures are theoretical and purely indicative. Coverage will depend upon the surface texture and porosity and will reduce considerably over anti slip grains profile.

RoKcoat EPSF (formerly Dr.Fixit Unitop EPT 308)

EPOXY SOLVENT FREE COATING



Pidilite MEA Chemicals L.L.C offers a wide range of structural protection and waterproofing systems:



WATERPROOFING



CONCRETE &
STRUCTURAL REPAIR



CRACKFILL &
SEALANTS



BONDING AGENTS



SURFACE PLASTERS



GROUTS & ANCHORS



MORTARS



MARBLE & STONE
PROTECTION



PERFORMANCE
FLOORING



UNDERLAYMENTS



SPECIALITY
CONSTRUCTION
PRODUCTS



TILE ADHESIVES
& GROUTS



Pidilite MEA Chemicals LLC

PO Box 120657

Dubai, United Arab Emirates

Tel: +971 4 884 9880

Fax: +971 4 884 9879

Web: www.pidilitemea.com

Disclaimer: The product information & application details given by the company & its agents have been provided in good faith & ment to serve only as general guidideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirment prior to full scale usage of our products, Since the correct identification of the problem, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied gurantee/warranty as to the other results obtained. The company does not assume any liability or consequential damage for unstatsfactory results, arising from the use of our products