

SOLVENT FREE AND HIGH ABRASION RESISTING EPOXY FLOOR COATING

PURPOSE

- It is used as a high build clinically cleanable floor surfacing.
- An abrasion resistant and is recommended for pedestrian and light traffic environments
- It is especially recommended for:
 - clean rooms,
 - warehouses
 - car parks
 - soft drink production
 - wet rooms
 - workshops
 - dairies
 - kitchens
 - showrooms
 - heavy pedestrian access areas

PROPERTIES

- Solvent free
- Abrasion resistant
- Trafficable
- Light reflective surface
- Increases light usage
- Slip resistant seamless coating

TECHNICAL DATA

Density 1.4 – 1.5 kg / ltr.

Compressive Strength
BS 6319@27°C 52Mpa

Flexural Strength
BS 6319@27°C 56Mpa

Elongation 10%

Pot Life
@20°C 60mins.
@30°C 45mins.
@40°C 30mins.

Curing Time @30°C 45mins.

Open to foot traffic after 24hrs.

Open to heavy traffic after 48hrs.

Full Cure 7 days

DESIGN CRITERIA

Resifloor EP has been designed for nominal thicknesses of 250 micron per coat, in two coats. The substrate should not suffer from rising damp or osmosis. Concrete surfaces should be tested prior to application for moisture content below 5%.

TECHNICAL SUPPORT

Rezcoat provides technical service support, to professional bodies, consulting Engineers, specifying bodies and on-site contractors, and applicators throughout the Middle-East.

APPLICATION REQUIREMENTS

SURFACE PREPARATION

All surfaces must be clean and free from oil, grease, water and other contaminants, which may inhibit bond. Remove all standing water. For best result surfaces should be dry. Concrete on grade should incorporate an effective puncture free waterproof barrier beneath the slab to prevent the effect of Osmosis.

A solvent free highly abrasion resisting floor coating ideal for use in car park decks, warehouses, wet rooms, workshops, commercial and industrial hygienic environments providing an exceptionally high build in two layers cost effectively

NEW CONCRETE

New concrete should have attained a compressive strength of 28Mpa. Surface must be free from laitance, oil or curing compounds. The surface should have a fine wood float or broom finish. Abrade or light sand blast the surface to remove laitance and provide uniform, texture surface. Eliminate damp substrates by drying (according to the requirements of the primer) before application of the primer.

OLD CONCRETE

The concrete floor must be sound, free of laitance, old paints, protective coating or deteriorated concrete. Chemically clean surface to remove any contaminants. Carry out mechanical keying of the top surface by light abrasive blasting, or water jetting. All wet activities should be allowed to dry out before the coating overlay. All structure cracks should be repaired with approved repaired material. All surfaces must be vacuumed to remove dust and loose deposits or contamination.

CLEANING

Tools and equipment should be cleaned with **Rezkem SC111** cleaning solvent. Do not use the solvent for thinning, as it will inhibit the material properties.

PRIMER MIXING

Mix **Rezkem EP Concrete Primer** prior to use as follows:

Add liquid hardener (scrape the sides of the hardener tin to remove all residue) to the base container and mixing slowly and thoroughly for 2 minutes. Apply to concrete using short nap roller or nylon bristle brush and allow to cure and overlay the primer with the topcoat before the tack wears off (generally in summer not longer than 8 hours or else re-priming will result).

Mixing the Resifloor EP: Empty the liquid hardener into base container and mix thoroughly for about 2 minutes by using slow speed power drill fitted with selected mixing paddle.

APPLICATION

The material is poured immediately after mixing onto primed surface and spread with a roller to achieve a 150-200 micron per coat in a seamless topping. Mixed **Resifloor EP** should not remain in the mixing container

Finishing must be completed within the pot life given for the ambient temperature experienced during application. Should the coating be applied in thicknesses exceeding 250 micron we recommend the use of a spike roller to eliminate any air bubbles in the coating. Where there is a requirement of anti-slip grain to be used, broadcast the selected grade of aggregate within 30 minutes of applying **Resifloor EP** first layer. Apply the aggregate to refusal (approx.4-6 kg per sq. m.), and do not disturb during the spreading. After the surface is completely cured (the next day) remove excess aggregate by vacuuming, then apply the final coat over the captured aggregate on the surface of the coating, using a short nap roller. Ensure the sealer coat covers all exposed aggregate.

PACKAGING

Resifloor EP	4 kg. /pack in 2 components Yield: 2.7 ltr. /pack 4 kg. /pack
Rezkem EP Primer Coverage Resifloor EP	5m ² / ltr. @ 200 micron thickness) 5-7m ² / ltr.
Rezkem EP Primer	

STORAGE

Store material under cover out of direct sunlight in dry area. Unopened packs kept at room temperature (26OC) will have a shelf life of 12 months from date of manufacturing. Resin shelf life will reduce when stored at temperatures above the recommended limit above.

HEALTH & SAFETY

All products contain solvent or resin should not come in contact with skin, eyes or be swallowed. People sensitive to resin and chemical should wear goggles, PVC gloves. Avoid contact with skin and eyes when handling the products. Do not use solvent as a skin cleaner of resin, instead use a barrier cream to remove the resin from the skin before it hardens. Should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical advice. Ensure plenty of ventilation when using resin and solvent containing material.

DISCLAIMER

This product is specially formulated and manufactured by Rezayat Protection Coatings Company Ltd (RPCCL) and sold subject to its standard terms and conditions. The information presented herein is accurate to the best of our knowledge. All technical properties quoted forthwith are from laboratory prepared samples and RPCCL reserve the right to alter any of the detail herewith without notice. The users are advised to ensure they possess the latest issue of the datasheet. The information given must not be taken in any way to form a specification. RPCCL will not accept any liability for any consequent or incidental damage arising out of use of the product. All guarantees offered are limited to replacement of defective material only. The use of the products outside of RPCCL recommendation is under user own risk.

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