

PURPOSE

- Epoxy primer usable on concrete and steel.
- Stabilizing primer for both Epoxy and Polyurethane.
- Penetrates porous substrates to improve surface properties.
- Improve bond strength of overlay products.
- Reduces permeability of surface.

Rezkem EP Primer (damp tolerant)

- Used on damp or dry concrete.
- Conditions and stabilizes concrete surface.
- 100% solids (no solvent).
- Non-toxic Primer.

Rezkem EPS Primer (for dry surfaces)

- Used on dry concrete and steel.
- Excellent penetrability in porous surfaces.
- Solvent based.

PROPERTIES

- Single pass application.
- Suitable for steel and concrete.
- High corrosion resistance for steel.
- Relatively low viscosity.

TECHNICAL DATA

Gel Time 23°C 80mins.
(250g)

Rezkem EP Typical DFT 100-125 micron

Rezkem EPS Typical DFT 75-100 micron

Pot Life @ 25°C
Flash Point (Rezkem EP) 35mins.

Over-coating Time
Max. @ 20°C 16hrs.
Max. @ 35°C 12hrs.

To eliminate solvent entrapment under overlay from **Rezkem EPS** a minimum overlay time must be **2 hours**.

It is always recommended to seed the primed concrete surface with fine clean silica sand into the wet primer where Polyurethane coating is to be applied onto the primer. With this procedure the dried seeded surface is to be brushed with a stiff bristled broom and loose material vacuumed away prior to over-coating.

APPLICATION REQUIREMENTS

APPLICATION

CONCRETE PRIMING

Rezkem EP/EPs should be placed immediately after mixing and should be laid in one application. Apply **Rezkem EP/EPs** immediately after mixing to the clean prepared surfaces using short piled roller or nylon brush in a thin continuous film.

Use a stiff brush to finish off with and scrub the primer well onto the surface (use a stippling action to penetrate into hollows in the prepared surface), avoid over application and ponding. Refer to the relevant data sheet for application conditions of subsequent overlays. Do not leave mixed material in the mixing vessel.

STEEL PRIMING

Steel surfaces should be prepared by sandblasting or other mechanical means to produce a clean bright surface equivalent to SA 21/2.

In confined areas a steel brush may be used, however care must be taken to ensure that the surface is brought to a bright steel condition free of rust and scale. The primer should then be applied immediately to the surface (to eliminate the risk of flash rust) to a thickness of 50 to 75 micron.

MIXING

Rezkem EP/EPs primer should be well mixed using a drill and mixing paddle. Remix each liquid container of base and hardener prior to emptying the entire contents of the smaller hardener can into the base can and thoroughly mixed for 1-2 minutes.

CLEANING

Tools and equipment should be cleaned with **Resiprime SC111** cleaning solvent. Do not use the solvent for thinning, as it will inhibit the curing of the product.

PACKAGING

Rezkem EP /EPs
(steel/concrete)

1 kg and 5 kg. /pack

Coverage

Rezkem EP
(concrete)
(steel)

5-8m² / ltr.
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FIRE

Rezkem EP is non-flammable products.

Rezkem EP Flash point - 130°C.

Rezkem EPS and Rezkem Solvent SC111 are flammable materials. Store in a safe environment free of sparks or flames.

HEALTH & SAFETY

Rezkem EP and **Rezkem Solvent SC111** should not come in contact with skin and eyes. Some people are sensitive to resin. Use chemical goggles, PVC gloves and barrier cream. Avoid contact with skin and eyes when handling the products. Do not use solvent for skin remover of resin instead a cream remover must be used before it gets harden. 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 materials.

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.



ISO 9001

Rezayat Protection Coatings Company Ltd.

Head Office
P.O. Box 90, Al Khobar 31952, Saudi Arabia
Tel: +966 3 882 5700 Ext 4052, Fax: +966 3 882 6717
E-mail : coatings.team@rezayat.com.sa
www.rezcoat.com

