

RESSI EPO Primer is an epoxy-based Primer to be used prior to the application of epoxy flooring and coatings over concrete and cementitious surfaces. This material comprises of bisphenol A based Resins of maximum solids and a modified polyamide-based hardener designed to maximum strength and abrasion resistance. **RESSI EPO Primer** is an ideal material to be used in conjunction with various epoxy flooring materials. It is used as a priming coat on concrete and cementitious surfaces prior to the application of various epoxy floorings and coatings. Typical areas of application include car parks, factory floors, food industry, kitchens, aircraft hangers, hospitals, pharmaceutical plants, warehouses etc. it can be used as a clear to golden coat to maintain original color and appearance of substrates which are not exposed to UV rays. Ressi EPO Primer is also suitable for a variety of materials such as metal, wood, ceramic, concrete, textile, glass, leather etc.

ADVANTAGES

- ✓ Provides an excellent key for the topcoat of epoxy floorings and coatings.
- ✓ Early development of initial hardness minimizes maintenance disruption.
- ✓ Excellent resistance to absorption and impact.
- ✓ Unaffected by a wide range of acids, alkalis, and industrial chemicals.

SURFACE PREPARATION AND MIXING

Surface should be free from grease, oil chemical contamination, dust, laitance and loose concrete. This can be achieved by scabbing or light brush hammering to provide a sound substrate. **RESSI EPO Primer** is supplied in premeasured two-part containers. Mix the premeasured quantities as per the ratio with a high-speed drill mixer fitted with a paddle. The material is to be mixed thoroughly until homogeneous.

APPLICATION

Apply the material with a suitable squeegee, stiff nylon brush or roller working the **RESSI EPO Primer** into the substrate to ensure total absorption into the pinholes and voids. Spray application is also possible. Airless spray will provide faster rate of application.

TECHNICAL PROPERTIES

| Property | Test Method | Result |
|---|-------------|--|
| Appearance Part A | Visual | Clear colorless to yellow liquid |
| Appearance Part B | Visual | Yellow to orange liquid |
| Mix Ratio (Part A: Part B) | Theoretical | 100:60 |
| Mix Viscosity @ 25°C / cPs | ASTM D 2196 | 3000 – 5000 |
| Mix Density /g / cc | ASTM D 1475 | 1.06 g /cc |
| Pot life (300g mix) @ 25°C | - | 50 - 60 minutes |
| Gel Time | - | 6 hours |
| Tack Free Time | - | 10 hours |
| Over coat time | - | 12 – 24 hours (Depending upon nature of substrate) |
| Coverage per kg material @ 200 micron thickness | - | 50 - 55 SFT |
| Compressive Strength | ASTM D790 | 94.4 N/mm ² @ 7 Days |
| Compressive yield strength | ASTM D695 | 77.3 N/mm ² @ 7 Days |

Typical Data under laboratory conditions; Conforms to ASTM C722

LIMITATIONS

When temperatures exceed 35°C working times will be reduced significantly. During application in cold weather correct conditioning is essential. Application should be halted if the ambient or substrate temperature is likely to fall below 10°C.

SHELF LIFE

12 Months from the date of manufacture when stored under warehouse conditions in original unopened packaging. Extreme temperature / Humidity may reduce shelf life.

PACK SIZE

RESSI EPO Primer is available in the following pack sizes:

1.6 KG: Part A 1 KG
Part B 600g

16 KG: Part A 10 KG
Part B 6 KG

48 KG: Part A 30 KG
Part B 18 KG

HEALTH AND SAFETY

The packed material of **RESSI EPO Primer** is regarded as non-hazardous for transportation. Once opened extreme temperatures may cause the material to be flammable. Do not re use bags, containers, and packaging materials. It is recommended to dispose off the packaging as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to MSDS of the product for further health and safety information.

NOTE:

If printed packaging not available, neutral packaging with label. Lot number and manufacturing date to be stamped at the back of each packaging.



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