

Technical Data Sheet



Ressi EPO Chem Might is a 2 component epoxy resin coating system for concrete and cementitious floor surfaces. It cures to a semi-gloss, impervious finish. The applied thickness of **Ressi EPO Chem Might** is between 300 to 4000 Microns.

Uses

Ressi EPO Chem Might provide a hard tough easily cleanable and attractive floor coating in areas where high resistance to chemical attack is required. It is suitable for use in workshops, car parks, dairies, kitchens, hospitals, laboratories, showrooms, light to medium duty industrial floor coatings, etc.

Advantages

- ✓ High level of protection and durability
- ✓ Hygienic impervious finish provides easily maintained surface
- ✓ Excellent bond strength to concrete and steel
- ✓ High resistance to a wide range of industrial chemicals
- ✓ Can be applied by brush roller or spray.

Surface preparation

Surfaces to be coated must be clean, dry, sound, free of mold release agents, bond breaking coatings, curing compounds, or any other form of contamination that may affect the adhesion of the epoxy flooring to the substrate. Surface preparation must be done using appropriate methods like grinding or wire brushing and vacuumed. All loose concrete should be removed until a sound substrate is reached. **Ressi EPO Chem Might** can be used to repair the floor cracks and some uneven surfaces prior to the application of **Ressi EPO Chem Might**. New Cementitious surfaces should be at least 28 days old and have a moisture content less than 5% prior to application.



RESSICHEM (Pvt.) LIMITED

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Priming

Priming is optional. If the surface are highly porous and rough textured, priming is recommended. **Ressi EPO Primer** is the Recommended primer to be used in conjunction with **Ressi EPO Chem Might**. The primer should be brushed into the substrate using a stiff brush or roller and allowed to dry before the application of **Ressi EPO Chem Might**. In case of extremely porous substrates, two coats of primer is recommended. Allow the first coat of **Ressi EPO Primer** to dry before the application of the second coat.

Mixing

Ressi EPO Chem Might is supplied in premeasured quantities. Base and hardener should be stirred separately before mixing together. Both the components should be mixed using a slow speed drill machine fitted with a paddle mixer for 2 minutes to get a uniform liquid mix. Scrape the sides, edges and bottom of the mixing container using a spatula and continue mixing for a further 2 minutes.

Application

Apply the first coat of **Ressi EPO Chem Might** on the prepared surface using a brush, roller or spray. Allow for a minimum 4 hours drying time. Treat pinholes, surface irregularities with **Ressi EPO Crack Fill** or **Ressi EPO Primer** (Whichever is the suitable product for the job site) and allow it to dry before the application of subsequent coat.

Pack Size

Ressi EPO Chem Might is available in 18.5 KG Kits
Part A 15 KG Part B 3.5 KG

Coverage

10m²/Ltr/coat at 100 micron wft (50 microns dft). Actual coverage will depend on texture and porosity of the surface.

Limitations

Ressi EPO Chem Might is not suitable to application on surfaces known to or is likely to suffer from rising dampness or have relative humidity greater than 75%. Should be applied in well ventilated areas.



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Typical properties at 25°C

Property	Value
Component	Two: Part A Base Part B Hardener
Mixed Form	Liquid
Mixed Density	1.28 Kg/ltr \pm 0.02
Pot Life	40-75 minutes
Gel Time	90-120 minutes
Drying Time	6 Hours
Recoat Time	10 Hours
Full Cure	7 Days
Chemical Resistance	Resistance to various chemicals like milk acids, alkalis, fuels, grease, petrol, etc.
Application Temperature	+5°C to +70°C
Service Temperature	+5°C to 70°C

Shelf life

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

Health & Safety

The Packed material if **Ressi EPO Chem Might** is regarded as non-hazardous for transportation. Once Opened, Extreme temperatures may cause flammability. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please Refer to the MSDS of the product for further health and safety information.



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