RESSI EPO CHEM MIGHT
HIGH CHEMICAL RESISTANT EPOXY FLOORING

RESSICHEM®
adding life and value to your property

Ressi EPO Chem Might is a two-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. **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.

PRIMING

Priming is optional. If the surface is 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 are 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. 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.

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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 Tough Might Is available in the following packaging.

1.5 KG:	Part A 1 KG Part B 500g
15 KG:	Part A 10 KG Part B 5 KG
30 KG:	Part A 20 KG Part B 10 KG

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.

SHELF LIFE

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

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TECHNICAL PROPERTIES @ 25°C

Appearance	Colored medium viscosity paint
Color	As per shade card provided (Please refer to shade card for color reference)
Mix Ratio (Part A: Part B)	100 : 50
Mix viscosity (cPs)	500- 800
Mix Density	1.09 / g/ cc
Coverage	18 SFT / KG @ 500-Micron Thickness
Working time	40 minutes
Gel Time	2 Hours
Tack Free Time	6 Hours
Tack Free Time	8 Hours (24 Hours if average temperature is below 25°C)
Time until foot Traffic	24 Hours
Time Until all Traffic	48 Hours
Full Cure Time	7 days (14 Days if average temperature is below 25°C)
Flexural Strength	77 N / mm^2
Compressive Strength	98 N / mm^2 (Maximum)

Typical Results under laboratory conditions – conforms to ASTM C 722

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CHEMICAL RESISTANCE CHART FOR ZEPOXY EPO CHEM MIGHT

Chemicals Solutions	Chemical Resistance
HCL (10%)	★★★
Sulphuric Acid (10%)	★★★
Acetic Acid (10%)	★★
Lactic Acid (20%)	★★
Formic Acid (20%)	NR
Phosphoric Acid (20%)	★★
Nitric Acid (30%)	★★
Caustic (20%)	★★★
Ammonia Solution (18%)	★★★
Hypochlorite (30%)	★★★
Hydrogen Peroxide (50%)	★★★
Ethanol	★
Methanol	★
IPA	★★★
MEK	★★
Xylene	★★★
Mineral Spirit	★★★

KEY
★ (Fair)
★★ (Good)
★★★ (Excellent)
NR (not Recommended)

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 safet information.

TECHNICAL DATASHEET RESSI EPO CHEM MIGHT