RESSI EPO ECO MIGHT

HEAVY DUTY ENVIRONMENTALLY FRIENDLY EPOXY FLOORING

RESSICHEM®
adding life and value to your property

Ressi EPO Eco Might is a two component, solvent free, epoxy resin high build coating for concrete and cementitious floorings. It is applied to produce a smooth finish.

USES

Ressi EPO Eco Might is a high build system for concrete and cementitious floors. It is suitable for light to medium duty manufacturing areas, car park areas and mechanical workshops. Suitable for use in wet areas where strict levels of hygiene and cleanliness are required. Can be used in food and chemical industry, hospitals. warehouses, schools, kitchens, high traffic applications etc.

ADVANTAGES

- ✔ Resistant to wide range of industrial chemicals.
- ✔ Seamless surface giving complete protection.
- ✔ Solvent free, no odor during application.
- ✔ Provides an attractive finish.
- ✔ Long lasting and easily maintained.
- ✔ Anti-fungal, anti-bacterial and nontoxic.

SURFACE PREPARATION

Surfaces should be free from grease, oil, chemical contamination, dust, laitance and loose concrete. Appropriate surface preparation equipment such as shot blast, scarified and grinders should be used to obtain sound surfaces. Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to grit blasting. Cracks potholes etc. should be repaired with Ressi EPO Crack Fill. Uneven concrete should be levelled to produce a roughened flat surface. Undulated floors shoud be levelled, cured and 28 days old prior to the opplication of Ressi EPO Eco Might. New Concrete floors must be at- least 28 days old prior to application. Moisture content for concrete floors must be less than 5%.

PRIMING

Ressi EPO Eco Might can be applied without a primer on sound substrates. If the surfaces are highly porous and rough textured, priming is recommended. Prime the surface with Ressi EPO Primer. The primer should be brushed into the substrate using stiff brush or roller and allowed to dry before the application of Ressi EPO Eco Might. In case of extremely porous substrates, two coats of primer are recommended. Allow the first coat to dry prior to the subsequent coat. The primer coat needs to be completely dry before the application of Ressi EPO Eco Might.

MIXING

Ressi EPO Eco Might is supplied in premeasured components. These should be stirred separately before mixing. After individual mixing add the hardener component into the base and continue to mix with a drill and paddle mixer for two minutes. To get a uniform viscous liquid. Scrape the edges and the bottom of the mixing container using spatula and continue to mix for a further minute. Do not mix the material in quantities which cannot be applied within the pot life of the product.

LIMITATIONS

At higher temperatures the pot life will be reduced. For working in cold climates (<5°C) Ressi EPO Eco Might containers need to be kept in hot water bath. Ressi EPO Eco Might cannot be applied in areas exposed to direct sunlight.

PACK SIZE

Ressi EPO Eco Might is available in 24.25 KG Kits.

Part A 15 KG **Part B 9.25 KG**

COVERAGE

4-5m^2/1tr /coat at 200 micron dft for floors. Coverage rates usually vary according to the substrate porosity and texture.

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TYPICAL PROPERTIES @ 25°C

Property	Value
Component	Two: Part A: Base Part B: Hardener
Mixed Form	Viscous Liquid
Mixed Density	1.56 Kg/ Ltr ± 0.05
Pot Life	30-40 minutes
Gel time	70 minutes ± 5 minutes
Drying time	6-7 Hours
Recoat Time	10-24 hours
Full cure	7 Days
Bond Strength	>1.5 N/mm^2 at 7 Days
Flexural Strength	40 N/mm^2 at 7 Days
Compressive Strength	75 N/ mm^2 at 7 Days
Tensile Strength	20 N/ mm^2 at 7 Days
Application temperature	+5^{0}C to +40^{0}C
Service Temperature	+5^{0}C to 70^{0}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 Eco 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.

TECHNICAL DATASHEET RESSI EPO ECO MIGHT

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