



ResiGard EC

High Performance, Chemical Resistant
Epoxy Coating

DESCRIPTION **ResiGard EC** is a three component solvent based epoxy resin coating system for steel and concrete surfaces. It cures to a semi-gloss, impervious finish.

USES **ResiGard EC** provides 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, 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
- Available in a wide range of colours
- Can be applied by brush, roller or spray
- Suitable for old and new concrete surfaces
- Corrosion, chemical and abrasion resistant

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Three : Part A - Base Part B - Hardener Part C - Colour Pack
Mixed Form	-	Liquid
Colour	-	Various colours available
Pot Life	ASTM D2471	40-75 mins
Drying Time	-	5-6 hrs
Recoat Time	-	Min. 5hrs - Max. 24 hrs
Full Cure	-	7 days
Chemical Resistance	ASTM D543	Resistance to various chemicals like mild acids, alkalis, fuels, grease, petrol, etc
Application Temperature	-	+5°C to +40°C
Service Temperature	-	+5°C to + 70°C

SURFACE PREPARATION Surfaces to be coated must be clean, dry, sound, free of mould release agents, bond breaking coatings, curing compounds or any other form of contamination that may affect the adhesion of the epoxy coating 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. Use suitable epoxy or cementitious repair mortar from **ReCon** range to rectify minor irregularities, cracks, etc. Where water curing is not feasible, use epoxy repair material **ReCon FCE**. New



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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 surfaces are highly porous and rough textured, priming is recommended. First coat of **ResiGard EC** will act as a primer. Alternatively, prime the surface with **ResiGard Primer SB / ResiGard Primer SF**. Primer should be brushed into the substrate using a stiff brush or roller and allowed to dry before the application of **ResiGard EC**. In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat. If the surface is damp, it is preferred to use **ResiGard MB** as primer coat which cures with the moisture to form a tough membrane and will not adversely affect the top coat.

MIXING

ResiGard EC is supplied in pre-measured packs. Base and hardener should be stirred separately before mixing. Transfer the colour pack into the base and mix for a minute. Add hardener component and mix using a slow speed drill machine fitted with a paddle mixer for two minutes to get a uniform colour. Scrape the sides, edges and the bottom of the mixing container using a spatula and continue mixing for a further 2 minutes.

APPLICATION

Apply first coat of **ResiGard EC** on the prepared surface using a brush, roller or spray. For application by airless spray, use a 45:1 or higher ratio pump, minimum 9 mm dia hoses and HD tip 19-23 thou. Allow for a minimum of 4 hours drying time. Treat pinholes, surface irregularities with **ReCon FCE** and allow it to dry before application of subsequent coat.

ResiGard EC should be applied in two coats to achieve a total dry thickness of 90-100 microns.

ResiGard EC should be cured for 24 hrs before allowing foot traffic.

PACK SIZE

5 ltr and 10 ltr set

COVERAGE

10 m²/ltr/coat at 100 mic rons wft (50 microns dft). Actual coverage will depend on texture and porosity of substrate.

LIMITATIONS

ResiGard EC is not suitable for application on surfaces known to or is likely to suffer from rising dampness or have a relative humidity greater than 75%. Should be applied in well ventilated areas. It is not a UV resistant coating.

GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with Conmix Cleaner immediately after use.



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HEALTH and SAFETY

PPE's

Gloves, goggles and suitable mask must be worn.

Precautions

Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.

Hazard

Regarded as hazardous for transportation.

Disposal

Do not reuse containers. To be disposed off as per local rules and regulations.

Additional Information

Refer MSDS. (Available on request)

TECHNICAL SERVICE

CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.

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