



ResiGard ET SF

Solvent Free Epoxy Tar Protective Coating

DESCRIPTION	ResiGard ET SF is a two pack, solvent free, tar based epoxy coating for steel and concrete surfaces.
USES	ResiGard ET SF can be used as protective coating against corrosion of structures in aggressive environments such as sewerage works, foundations, retaining walls, drainage, chemical treatment plants, food treatment plants, effluent treatment plants, man hole lining, marine structures like jetties, piers, sea water tanks, steel pipes, etc. It can also be used as curing compound over green concrete.
ADVANTAGES	<ul style="list-style-type: none"> • Tough, durable, waterproof and resilient protective coating • 100% solid content, high build application • Provides long term protection to steel and concrete • Excellent chemical and abrasion resistance • Easy to apply by brush, roller or spray in confined areas • Fast installation, can be applied over green concrete • Does not support bacterial growth

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Two: Part A - Base Part B- Hardener
Mixed Form	-	Viscous liquid
Colour	-	Black / Brown
	-	100%
Pot Life	-	60 - 90 mins
Tack Free Time	-	2 - 3 hrs
Recoat time	-	4 - 6 hrs
Full Cure	-	5 - 7 days
Bond Strength	ASTM D4541	> 1.0 N/mm ²
Water Permeability	BSEN 12390 - 8	Nil at 4 bar
Salt Spray Test	BS 1881 Part 124	Nil at 200 micron thickness
Water Absorption	BS 1881 Part 208	Nil
Chemical Resistance	ASTM D543	Resistant to various chemicals like acids, mild alkalis, fuels, grease, petrol, aqueous solutions, solvents, organics, etc.

SURFACE PREPARATION	The surface to be treated must be free from dust, grease, oil, chemical contaminations, curing compound and laitance. Loose concrete should be removed till sound substrate. Repair all pin holes, cracks, honey comb, undulations with ReCon range of repair products. Steel surfaces should be grit blasted to remove any rust, scaling, etc.
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PRIMING	Primer is not required for sound concrete substrates. Metal substrates shall be primed with ResiGard Primer SB .	
MIXING	ResiGard ET SF is supplied in two containers as pre-measured units. Stir base and hardener component separately. Using a slow speed drill machine fitted with a paddle, mix part A in to part B at least 3 minutes to obtain a uniform mix. Part mixing should be avoided.	
APPLICATION	Apply mixed material with a suitable spray, squeegee, stiff nylon brush or roller working into the surface to ensure total absorption. Ensure the recommended application rates are achieved to ensure minimum dry film thickness per coat. Minimum of two coats should be applied to achieve the desired protection. Second coat should be applied at right angles to the first coat.	
PACK SIZE	5 ltr, 10 ltr set	
COVERAGE	4m ² /ltr/coat at 250 microns dft. Two Coats at 500 to 600 microns total thickness are recommended. Actual consumption depends on texture and porosity of substrate. Can be applied at thickness other than that mentioned above. Coverage will vary accordingly.	
NOTE	ResiGard ET SF can be applied with ease at temperature of 5 ⁰ C to 35 ⁰ C. Application in hot weather conditions and at colder climates can be carried out with certain precautions. Consult Conmix. Colour of coating may turn reddish in high humid conditions.	
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 equipments and tools with Conmix Cleaner immediately after use.
HEALTH & SAFETY	PPE's	Gloves, goggles & suitable mask must be worn.
	Precautions	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
	Hazard	Regarded as non 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 on site support to assist in the correct use of its products.	

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