



ResiGard ET SF

Solvent Free Epoxy Tar Protective Coating

DESCRIPTION **ResiGard ETSF** is a two component, solvent free, tar extended, high build, polyamide cured epoxy coating, specifically formulated to provide excellent abrasion and chemical resistance to steel or concrete, on horizontal or vertical surfaces including areas subject to permanent immersion.

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.

ADVANTAGES

- 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 and can be applied over 7-14 days old 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
Solid Content	-	99% +/- 1
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	ASTM D570	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.

PRIMING Primer is not required for sound concrete substrates. Metal substrates shall be primed with **ResiGard Primer SB**.



ResiGard ET SF

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

A minimum of 2 coats of **ResiGard ET SF** are recommended. Apply the first coat of mixed material using brushes or rollers to a theoretical coverage rate of 4 - 5m² per ltr in a continuous uniform coating. If a non slip finish is required, scatter or completely blind **Conmix Anti Slip Grain** into the wet first coat until the desired anti slip profile is achieved. Allow the first coat to dry and sweep off any excess aggregate prior to the second coat. Apply the second coat of **ResiGard ET SF** in the same manner as the first, allowing at least 6 hours drying time between coats.

For high risk applications, we recommend glass fibre reinforcement is embedded into the wet first coat, particularly at floor / wall junctions and joints in concrete substrates, to reinforce the coating. Expansion joints must be reflected through the **ResiGard ET SF** and preferably sealed with a sealant from the **SealXtra** range.

PACK SIZE

5, 10 & 20 ltr set

COVERAGE

4m²/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 other than that mentioned above. Coverage will vary accordingly.

NOTE

ResiGard ET SF can be applied with ease at temperature of 5°C to 35°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 equipment and tools with **Conmix Cleaner** immediately after use.

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.

Manufacturer:

CONMIX LTD.

P.O. Box 5936, Sharjah

United Arab Emirates

Tel: +971 6 5314155

Fax: +971 6 5314332

Email: conmix@conmix.com

Sales Office:

Tel: +971 6 5682422

Fax: +971 6 5681442

www.conmix.com



MSASA
Construction Solutions for Africa

CAPE TOWN

Tel: +27 (0)87 231 0253

Unit 5 | M5 Freeway Park

Upper Camp Rd | Matieland | 7405

Cape Town | South Africa

JOHANNESBURG

Tel: +27 (0)82 785 8529

64 Maple Street | Pomona

Kempson Park | Johannesburg | 1619

South Africa

Email: info@msasa.co.za | www.msasa.co.za



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.