

JAZECOAT – ET

2-Component, High Performance, Solvent-free, Epoxy resin-based Modified with Refined Coal Tar Pitch Heavy - duty Concrete & Metal Protective Coating

Product Description

JAZECOAT – ET is 2-component, solvent-free, epoxy resin-based modified with refined coal tar pitch, high- build, high performance, waterproofing & heavy duty protective coating. It is formulated to provide an excellent protection to concrete and steel structures in aggressive media such as sewage works, chemical processing plants, etc. It is not recommended to be in contact with drinking water. It will provide after application and curing a durable waterproofing, high build protective coating film with an excellent abrasion & chemical resistance to aqueous environments. It is based on selected epoxy resin & special hardeners and modified refined coal tar pitch.

Uses

JAZECOAT– ET is formulated to provide continuous heavy duty protective coating in aggressive media. It suitable for protection concrete and steel surfaces, indoor & outdoor with an excellent resistance to water and water-borne salts, soil salts, waste water, seawater. It suitable for areas where high – build film is required for protection in:

- Sewage water tanks & reservoirs and silos.
- Lining of concrete and steel structures.
- Submerged concrete & steel structures.
- Sewage water stations.
- Chemical processing plants.
- Marine coatings.
- Harbour facilities.
- Lock installations
- Lining concrete pipes.
- Coating piping & ducting
- Steel pipes & non-ferrous metals.

Advantages

- Easy to apply by suitable brush or roller.
- Solvent-free.
- Flexible.
- Highly durable and corrosion resistance.
- Excellent abrasion and impact resistance.
- Can be applied on damp surfaces.
- Excellent adhesion to sound concrete & steel substrates.
- Chemical resistant to water & water-born salts, soil salts, seawater diluted alkalis & acids.
- Long term protection.
- High-build.
- Can be used with glass fiber to provide more mechanical properties.
- Formulated to be suitable for the Middle East Climates.

Standards

JAZECOAT- ET complies with ASTM C- 881, Type III, Grade 2, and Class: B & C

Technical Properties

Appearance	Black free flowing liquid
Specific Gravity @20 °C	1.25-1.28



Solid Content	100 % by weight
Epoxy Content	70%
Coal Tar Content	30%
Application temperature	5 – 50 °C.
Pot-life @ 20 °C	70 minutes.
Full cure @ 20 °C	7-days
Wet & dry film thickness	300 – 500 microns per coat
Tensile strength	10 N / mm ² .
Elongation	50 %
Bond Strength	3 N / mm ² .
Chemical Resistance	JAZECOAT – ET is resistant to water, water-born salts, seawater, diluted inorganic acids and alkalis.
Coverage	About 4 m ² per Kg per 300 microns.

Guide for Applications

Surface Preparation

All surfaces shall be sound, clean free from dust, grease & oils, curing agents & mould releasing agents or other materials may affect the bond of the product and the substrates. Steel or metal surfaces should be free from rust, scale.

Priming

Priming is not required.

Mixing

Stir each component of JAZECOAT –ET well before mixing. Pour Component A into the Component B and mix well until uniform consistency & colour is achieved.

Application

Apply the mixed materials of JAZECOAT–ET onto prepared substrates using suitable brush, roller or airless spray method for large areas
Apply the second coat after application of the first coat with 12 – 15 hours.

Packaging

JAZECOAT – ET is supplied in 22-Kg Kits.

Storage & Shelf-life

JAZECOAT– ET shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 24 months if stored properly.

Health & Safety

- JAZECOAT – ET is non-corrosive, and non-dangerous.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B and wait till hardening, then bury in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.

JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.