



JAZECOAT-EPS

**2-Component, Non Toxic, Solvent free Highly Chemical & Impact Resistance
Epoxy resin modified with Polysulphide Flexible Protective Coating for STP works.**

Product Description

JAZECOAT – EPS is 2-component, solvent-free (100% solid), non-toxic, epoxy resin-based modified with polysulfide resins, high-build, high performance, flexible, highly chemical resistant protective coating for STP works. It will provide after application and curing a durable protective, sealing & decorative film with an excellent impact & chemical resistance that is easy to-clean surface finish. It is based on selected epoxy and polysulfide resins & special hardener that resist amine blush. The product is available in standard colours or any colour upon request.

Uses

JAZECOAT– EPS is formulated to provide continuous protective coating having highly chemical & impact resistant properties. It formulated for lining and waterproofing water retaining structures and water treatment plants, sewage concrete and metal pipes. It suitable for areas where thick film is required such as:

- Water tanks & reservoirs and silos.
- Food processing areas.
- Concrete & steel pipes
- Oil refineries.
- Paper mills.
- Laboratories and abattoirs.
- Sewage Treatment works
- Water treatment plants.
- Power Stations
- Garages and hangars

Advantages

- Easy to apply by suitable brush or roller.
- Solvent-free (100 % Solid), odorless.
- Non-toxic, highly durable and corrosion resistance.
- Excellent abrasion and impact resistance.
- Can be applied on dry and damp concrete surfaces.
- Flexible and UV stable.
- Excellent adhesion to sound concrete & masonry substrates.

- Highly chemical resistant to most common chemical reagents in sewage works.
- Can be used with glass fiber to provide more mechanical properties.
- Formulated to be suitable for the Middle East Climates.

Standards

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

Technical Properties

Appearance	Pigmented free flowing liquid
Specific Gravity	1.20 ± 0.05
Volume Solids	100 %
Application Service Temperature	5 – 50 °C
Time between Recoating	12 – 24-hours
Pot-Life @ 25 °C	70 minutes
Full-Cure @ 25 °C	7 Days
Tensile Strength @ 23 °C	10.2 MPa
Elongation at Break (ASTM D 412)	64%
Tear Strength (ASTM D 1004)	13 N/mm ²
Hardness (ASTM D 2240)	87 Shore D
Bond Strength	4 N / mm ²
Water Vapour Transmission rate	1.17g/m ² /day
Abrasion Resistance	100 cycles 10-15 mg 500 cycles 60-70 mg
	(ASTM D 1044-90, CS-17 Wheel 500g)
Static Crack Bridging Capability	1.1 mm
U V Resistance	Pass
Effect on Water BS 6920	Pass



Chemical Resistance

JAZECOAT – EPS has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 90-days @ 35 °C in accordance with ASTM D-2240 (Shore D hardness), the results are:

Acids

Hydrochloric	25 %	Excellent
Sulfuric	25 %	Excellent
Nitric	25 %	Good
Acetic	10 %	Excellent
Lactic	10 %	Excellent
Citric	10 %	Excellent

Alkalis

Sodium hydroxide	25 %	Excellent
Sodium Carbonate	25 %	Excellent
Ammonia	10 %	Excellent
Potassium Hydroxide	25 %	Excellent
Sodium Hypochlorite	15 %	Excellent

Solvents & Oils

Ethanol	Excellent
Ethyl Glycol	Excellent
White spirit	Excellent
Petrol & Diesel	Excellent
Coconut Oil	Excellent
Cotton Seed Oil	Excellent
Soya Bean Oil	Excellent
silicates	Excellent
Vegetable Oil	Excellent
Detergent	Excellent
Fat	Excellent
Milk	Excellent
Pine Oil	Excellent
Linseed Oil	Excellent
water	Excellent

Guidelines 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 or other contaminants.

Priming

JAZEPRIME- EP10 can be used prior to the application (See its data Sheet).

Mixing

Stir each component of JAZECOAT –EPS well before mixing. Pour Component A into the Component B and mix well for 2 -5minutes until uniform consistency & colour is achieved.

Application

Apply the mixed materials of JAZECOAT–EPS onto prepared & primed substrates using suitable brush, roller or airless spray method for large areas

Apply the second coat after application of the first coat with 12 hours.

Packaging

JAZECOAT – EPS is supplied in 18-Kg Kits.

Storage & Shelf-life

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

Health & Safety

- JAZECOAT – EPS non-toxic, 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.

For Further Information Contact: www.jcc-sa.com