



JAZEMORTAR – EPS

3-Component, High Performance, Epoxy Resin-lining mortar

Product Description

JAZEMORTAR – EPS is 3-component, solvent-free, epoxy resin-based, high performance, chemical & abrasion resistant lining mortar applied by trowel. The mixed mortar can be used for horizontal and vertical applications. The chemical resistance properties make JAZEMORTAR-EPS suitable for application as the lining to sewerage manholes .

Uses

JAZEMORTAR – EPS is a trowellable epoxy mortar suitable for lining manholes fast repairs in Floors and walls

Advantages

- Easy to mix and to apply.
- Solvent-free, odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Non-shrink and non-skis finishes.
- Provides smooth surface.
- Excellent adhesion to sound concrete & masonry substrates.
- Excellent mechanical properties.
- High chemical resistant to most common chemical reagents.
- Formulated to be suitable for the Middle East Climates.

Technical Properties

Specific Gravity @20 °C	1.99
Solid Content	100 % by weight
Pot-life @ 25 °C	130 minutes.
Full cure @ 25 °C	7-days
Wet & dry thickness	up to 20-mm
Compressive Strength , ASTM D 579	100 N/mm ²
Flexural strength , ASTM C-239	35 N/mm ²
Tensile Strength , ASTM D-638	20 N/mm ²
Bond Strength to concrete , ASTM C- 882	3 N/mm ²
Water Absorption, ASTM D- 510	0.01 %
Abrasion resistance	50 mg as per as Taber Abrasive, 1000 grams / 1000 revolution.

Chemical Resistance

JAZEMORTAR – 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	20%	Excellent
Nitric	25 %	Good
Acetic	10 %	Excellent
Lactic	10 %	Excellent
Citric	10 %	Excellent

Alkalis

Sodium hydroxide	20 %	Excellent
Sodium Carbonate	50 %	excellent
Ammonia	10 %	Excellent
Potassium Hydroxide	25 %	Excellent
Sodium Hypochlorite	15 %	Excellent



Solvents & Oils

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

For Specific Chemical reagent, please ask for technical support.

Coverage About 2 m² / Kg / mm thickness

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 or other contaminants.

Priming

JAZEPRIME- EP 10 shall be used prior to the application (See separate data Sheet)

Mixing

Stir each component of JAZEMORTAR – EPS well before mixing. Pour Component A into clean vessel, then pour Component B and mix well till homogeneity, then add Component C while mixing and continue mixing till homogenous consistency & colour is achieved. Electric drill with low speed (400- 500 rpm) is recommended.

Application

Surface should be clean and structurally sound .any loose or unsound brick or concrete should be removed surfaces must be entirely free of oil, grease, detergent rust or other contaminations .the surface should preferably be abraded by light sand blasting followed by through rinsing to remove dust .where a rough surface is difficult to obtain JAZEPRIME-EP 10 should be used to prime the surface .JAZEPRIME-EP 10 should be applied while the prime is still tacky.

Packaging

JAZEMORTAR – EPS is supplied in 17.5 –Kg pack

Storage & Shelf-life

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

Health & Safety

- JAZEMORTAR– EPS is 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 burry 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