

JAZEFLOOR – EPT

3-Component, High Performance, Solvent-free, Abrasion & Chemical resistant
Epoxy Resin-based Floor Mortar Screed

Product Description

JAZEFLOOR – EPT is 3-component, solvent-free, epoxy resin-based, high performance, chemical & abrasion resistant floor mortar screed applied by trowel onto concrete substrates up to 10-mm. It is formulated to provide durable, non-skid abrasion, impact and chemical resistant with excellent physical & mechanical properties. It is based on selected epoxy resin & special hardeners and selected hard & well graded aggregate. The product is available in wide range of standard colours or any colour upon request.

Uses

JAZEFLOOR – EPT is formulated to provide anti-skid, abrasion resistant, impact and chemical resistant continuous floor protective coating. It suitable for areas such as:

- Industrial areas.
- Schools
- Soft drink factories
- Workshops & garages.
- Dairies.
- Kitchens.
- Pharmaceutical plants
- Showrooms.
- Storage areas
- Food processing areas.
- Car parks
- Laboratories.
- Clean rooms
- Traffic decking.
- Hospitals.
- Electric plants
- Shops and supermarkets.

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

Appearance	Pigmented free flowing liquid (mixed)
Specific Gravity @20 °C	2.1
Solid Content	100 % by weight
Pot-life @ 25 °C	70 minutes.
Full cure @ 25 °C	7-days
Wet & dry thickness	up to 10-mm
Compressive Strength (N / mm²), ASTM D 579	95
Flexural strength (N / mm²), ASTM C-239	35
Tensile Strength (N / mm²), ASTM D-638	20
Bond Strength to concrete (N/mm²), ASTM C- 882	3
Water Absorption, ASTM D- 510	0.03 %
Abrasion resistance	60 mg as per as Taber Abrasive, 1000 grams / 1000 revolution.

Chemical Resistance

JAZEFLOOR – EPT 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	20 %	Excellent
Sulfuric	20 %	Excellent
Nitric	20 %	Good
Acetic	10 %	Excellent
Lactic	10 %	Excellent
Citric	10 %	Excellent

Alkalis

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

Solvents & Oils

Ethanol	Excellent
Ethyl Glycol	Excellent
White spirit	Excellent
Petrol & Diesel Oil	Excellent
Coconut oil	Excellent
Cotton Seed Oil	Excellent
Soya Bean Oil	Excellent
Silicates	Excellent

Soya Bean Oil	Excellent
Vegetable Oil	Excellent
Detergent	Excellent
Fat	Excellent
Milk	Excellent
Pine Oil	Excellent
Linseed Oil	Excellent
Water	Excellent

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 JAZEFLOOR – EPT 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 self-levelling free from lumps is achieved. Electric drill with low speed (400- 500 rpm) is recommended.

Application

Apply the mixed materials onto prepared & primed substrates while the primer is still tacky (wet on wet) in the required thickness in single application. After laying the mixed material, it shall be tamped with a wooden float and levelling with screeding bar to ensure full compacting. Final finish trowel by stainless steel float to achieve the recommended finish.

Packaging

JAZEFLOOR – EPT is supplied in 33 -Kg Kits.

Storage & Shelf-life

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

Health & Safety

- JAZEFLOOR – EPT 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 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