

# JAZEFLOOR – EP250

2-Component, High build, High Performance, Solvent-free (100 % Solid), Abrasion & Chemical resistant Epoxy Resin-based Protective Floor & Floor Coating

## Product Description

JAZEFLOOR – EP250 is 2-component, solvent-free (100 % solid), epoxy resin-based high-build, high performance, chemical & Abrasion resistant floor continuous protective coating. It will provide after application and curing a durable protective, sealing & decorative film with an excellent abrasion and impact resistance that is easy to-clean surface finish. It is based on selected epoxy resin & special hardener that resist amine blush. The product is available in wide range of standard colours or any colour upon request

## Uses

JAZEFLOOR – EP250 is formulated to provide slip resistant, abrasion resistant, chemical resistant continuous floor protective coating. It will adhere well to both dry and damp concrete & masonry surfaces. It suitable for areas where thick film is required such as:

- Industrial areas.
- Workshops.
- Dairies.
- Chemical manufacturing plants
- Soft-drink bottling.
- Car Showrooms and production facilities
- Storage areas
- Garages
- Car parks
- Pharmaceutical and other medical facilities
- Clean rooms
- All similar work

## Advantages

- Easy to apply by suitable brush or roller.
- Solvent-free (100 % Solid), odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Smooth high gloss finish for Hygienic, impervious applications.
- Provides easily cleaned surfaces.
- Excellent adhesion to sound concrete & masonry substrates.
- Excellent adhesion to old & new and dry & damp surfaces.
- High chemical resistant to most common chemical reagents.
- Formulated to be suitable for the Middle East Climates.

## Technical Properties

<b>Appearance</b>	Pigmented free flowing liquid
<b>Specific Gravity @20 °C</b>	1.5– 1.7
<b>Solid Content</b>	100 % by weight
<b>Application temperature</b>	5 – 35 °C.
<b>Time between recoating</b>	maximum 36 hours.
<b>Pot-life @ 25 °C</b>	70 minutes.
<b>Full cure @ 25 °C</b>	7-days
<b>Wet &amp; dry film thickness</b>	250 microns per coat
<b>Abrasion resistance</b>	45 mg as per as Taber Abrasive , 1000 grams / 1000 revolution.
<b>Flexural strength</b>	30 N/mm <sup>2</sup>
<b>Tensile strength</b>	20 N/mm <sup>2</sup>
<b>Bond Strength</b>	Greater than the cohesive strength of concrete

### Chemical Resistance

JAZEFLOOR – EP 250 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	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 4 m<sup>2</sup> per Kg per 250 microns wet film thickness per coat.  
Two coats are recommended.

### 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 –EP250 well before mixing. Pour Component-A into the Component-B and mix well for 2 -5 minutes until uniform consistency & colour is achieved.

#### Application

Apply the mixed materials of JAZEFLOOR –EP250 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 after 24 hours.

#### Packaging

JAZEFLOOR – EP250 is supplied in 5 Kg, 6-Kg and 18-Kg Kits.

#### Storage & Shelf-life

JAZEFLOOR – EP250 shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 24 months if stored properly.

#### Health & Safety

- JAZEFLOOR – EP250 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](http://www.jcc-sa.com)