

JAZEFLOOR –PU250

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

Product Description

JAZEFLOOR –PU250 is 2-component, solvent-free (100 % solid), epoxy poly urethane resin-based high build, flexible 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 & poly urethane resin & special hardener that resist amine blush. The product is available in wide range of standard colours or any colour upon request

Uses

JAZEFLOOR –PU250 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.
- Kitchens.
- Soft-drink bottling.
- Showrooms.
- Storage areas
- Garages
- Car parks
- Laboratories.
- Clean rooms
- All similar work

Advantages

- Easy to apply by suitable brush or roller.
- Good flexibility
- Solvent-free (100 % Solid), odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Hygienic, impervious.
- 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

Appearance	Pigmented free flowing liquid
Specific Gravity @20 °C	1.5– 1.6
Solid Content	100 % by weight
Application temperature	5 – 35 °C.
Time between recoating	maximum 24 hours.
Pot-life @ 25 °C	70 minutes.
Full cure @ 25 °C	7-days
Wet & dry film thickness	250 microns per coat
Elongation (BS 2782)	30%



JCC PRODUCT DATA SHEET

Crack bridging (ASTM C836)	1.2 mm
Abrasion resistance	100 mg as per as Taber Abrasive, 1000 grams / 1000 revolution.
Compressive strength	70 N/mm ²
Bond Strength	Greater than the cohesive strength of concrete
Chemical Resistance	JAZEFLOOR –PU 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
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
For Specific Chemical reagent, please ask for technical support.	
Coverage	About 3 m ² per Kg per 200 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 –PU250 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 –PU250 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

JAZEFLOOR –PU250 is supplied in 5 Kg, 6-Kg and 18-Kg Kits.

Storage & Shelf-life

JAZEFLOOR –PU250 shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 24 months if stored properly.

Health & Safety

- JAZEFLOOR –PU250 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.