

JAZEFLOOR – SL 5000 PU

2-Component, High Performance, Solvent-free, Self-leveling, Abrasion & Chemical resistant Epoxy Polyurethane Resin-based Floor Topping up to 5-mm Thickness

Product Description

JAZEFLOOR – SL 5000 PU is 2-component, solvent-free, self-smoothing & levelling, epoxy Polyurethane resin-based high- build, high performance, chemical & abrasion resistant floor continuous protective coating. It is formulated to provide dry film thickness up to 5-mm without any problems. It will provide after application and curing a durable protective topping with an excellent abrasion and impact resistance that is easy to-clean surface finish. It is based on selected epoxy resin, polyurethane resin & special hardeners. It is available in wide range of standard colours.

Uses

JAZEFLOOR – SL 5000 PU is formulated to provide slip resistant, abrasion resistant, chemical resistant continuous floor protective coating. It suitable for areas where thick film is required such as:

- Playing Courts like tennis courts, basketball courts etc.
- Workshops & garages.
- Pharmaceutical plants
- Showrooms.
- Storage areas
- Laboratories.
- Clean rooms
- Traffic decking.
- Hospitals.
- Electric plants
- Laboratories.
- Shops and supermarkets.

Advantages

- Easy to mix and to apply.
- Does not support the growth of bacteria.
- Solvent-free, odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Hygienic, impervious.
- Provides smooth surface that easy to clean.
- Excellent adhesion to sound concrete & masonry substrates.
- Very good 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	1.50 – 1.55
Solid Content	100 % by weight
Pot-life @ 25 °C	70 minutes.
Full cure @ 25 °C	7-days
Wet & dry thickness	up to 5-mm
Hardness (Shore D)	50



Flexural strength (N / mm²), ASTM C-239	45
Tensile Strength (N / mm²), ASTM D-638	20
Bond Strength to concrete (N/mm²), ASTM C- 882	3
Abrasion resistance	70 mg as per as Taber Abrasive, 1000 grams / 1000 revolution.

Chemical Resistance : JAZEFLOOR – SL 5000 PU 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	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 1.75 m ² / Kg / mm thickness
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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). Apply the primer on the surface and allow to cure for 8 to 24 hours.

Mixing

Stir each component of JAZEFLOOR – SL 5000 PU well before mixing. Pour Component A into clean vessel, then pour Component B and mix well 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

Pour the mixed materials onto prepared & primed substrates and spread with a steel trowel to achieve a 5 mm seamless topping. After laying the mixed material, remove the entrapped air using spiked roller and allow to cure.

Packaging

JAZEFLOOR – SL 5000 PU is supplied in 20-Kg Kits.

Storage & Shelf-life

JAZEFLOOR – SL 5000 PU shall be stored in normal conditions away from any extreme temperatures. Shelf – life is 24 months if stored properly.

Health & Safety

- JAZEFLOOR – SL 5000 PU 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.