



JAZEFLOOR TRAFFIC DECK PU-980

3-Component, hard wearing, skid resistant, solvent-free, epoxy polyurethane based flexible floor mortar screed for car park decks

Product Description

JAZEFLOOR TRAFFIC DECK PU-980 is 3-component, solvent-free, epoxy polyurethane resin-based, high performance, hard wearing, skid resistant, flexible and chemical & abrasion resistant floor mortar screed applied by trowel onto concrete substrates from 3 mm to 20-mm thickness for car park decks. It is formulated to provide durable, non-skid abrasion, flexible, impact and chemical resistant with excellent physical & mechanical properties. It is based on selected epoxy resin, polyurethane resin and 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 TRAFFIC DECK PU-980 is formulated to provide an added level of protection to new and existing , heavily trafficked areas such as:

- Car park decks
- Car park ramps
- Turning areas
- Workshops & garages.
- Service centers
- Pharmaceutical areas
- Transport depots
- Showrooms.
- Storage areas
- Food processing areas.
- Aircraft hangers

Advantages

- Easy to mix, rapid application, reliable and safe.
- Solvent-free, odourless.
- Highly durable.
- Excellent abrasion and impact resistance.
- Non-shrink and non-skid finishes.
- Seamless and watertight.
- Flexible and bridges dynamic cracks
- 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	@25 °C	1.90
Solid Content		100 % by weight
Pot-life	@ 25 °C	70 minutes.
Full cure	@ 25 °C	7-days
Wet & dry thickness		3 mm to 20 mm
Shore A Hardness	ASTM D-2240	> 85
Elongation		80
Tensile Strength	ASTM D-412	20 N / mm ²
Bond Strength to concrete	ASTM C- 882	4 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

JAZEFLOOR TRAFFIC DECK PU-980 has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 90-days @ 35 °C. 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	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

Coverage

About 2 kg / m² / 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 TRAFFIC DECK PU-980 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 TRAFFIC DECK PU-980 is supplied in 18 -Kg Kits.

Storage & Shelf-life

JAZEFLOOR TRAFFIC DECK PU-980 shall be stored in normal conditions away from any extreme temperatures, Shelf – life is 24 months if stored properly.

Health & Safety

- JAZEFLOOR TRAFFIC DECK PU-980 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.