

Jotafloor PU 500

Traffic Deck Polyurethane Water Proofing Membrane (ASTM C957)

System description

This is a two component isocyanate cured polyurethane waterproofing membrane system. It has excellent crack bridging, abrasion and chemical resistance. Jotafloor Non Slip Aggregates medium can be used in system for anti slip properties.

Product description

This system consists of below products.

Jotafloor SF PR 150 : This is a two component amine cured solvent free epoxy coating.

Jotafloor Pu Universal : This is a two component aromatic isocyanate cured polyurethane coating.

Jotafloor PU Topcoat HS : This is a two component high volume solid, LEED compliant and low VOC, isocyanate cured polyurethane coating.

Jotafloor PU Topcoat : This is a two component aromatic isocyanate cured polyurethane coating.

Jotafloor Non Slip Aggregate : This is graded silica aggregates, designed to be spread into a desired non-skid system.

Features and benefits

Specially designed for heavy duty exposed and intermediate car park decks, parking bays, ramps, driveways, and turning circles in compliance with ASTM C957. Recommended also for Laboratories, Hospitals, Plant rooms, Sport stadiums and Balconies. It can also be used for protection of concrete from salt water and chemicals.

Approvals and certificates

Membrane

Tensile strength: ASTM D412 8 N/mm²
Elongation ASTM D412 : 119%
Flexural Strength ASTM C 580 : 4.5 N/mm²
Chemical resistance ASTM D 543

Topcoat

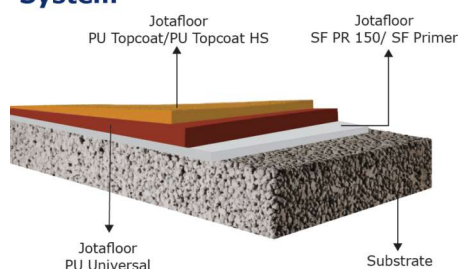
Coefficient of Thermal Expansion : 5.86X10(-5)
ASTM D522 (Method A, conical mandrel) 3.22 mm
UV resistance ASTM G 53 - No indication of deterioration of chalking.

System:

Tear Strength ASTM D 624 : 76.3 N/mm²
Abrasion resistance ASTM D4060 : 52 mg / 1000 Cycles
Crack bridging ability ASTM C 1305 : 10 Cycles : 2 mm

Additional certificates and approvals may be available on request.

System



Packaging

Jotafloor SF PR 150	20	litres
Jotafloor PU universal	20	litres
Jotafloor PU Topcoat HS	10	litres
Jotafloor PU Topcoat	18	litres

Volume mentioned is of Component A + Component B

Coverage

	Spreading rate per coat				Dry film thickness			
	m ² /l	litres/m ²	m ² /l	litres/m ²	µm	mm	µm	mm
Jotafloor SF PR 150	6.67	-	3.33	m ² /l	150	-	300	µm
Jotafloor PU universal			2	m ² /l			500	µm
Jotafloor PU Topcoat HS	11.2	-	7.5	m ² /l	72	-	108	µm
Jotafloor PU Topcoat	12.6	-	7.9	m ² /l	50	-	80	µm

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.
Coverage on Non slip aggregate would reduce considerably.

Surface preparation

Substrate should be atleast 28 days old and have moisture content not exceeding 5% and leave a clean, sound and stable base. The preferred method of abrading the substrate is dust free captive blasting or diamond grinding.
To fill any blow holes or undulations in the substrate Jotafloor Filler or Jotafloor Filler Plus may be used.

Application

Priming

Mix and apply Jotafloor SF PR 150 after cleaning the substrate from traces of dust and other loose material at specified film thickness. For antislip finish Jotafloor Non Slip Aggregates medium can be broadcasted on wet primer application at 1 - 1.25 Kg/Sq.M.

Intermediate Coat

Mix and apply Jotafloor PU Universal at specified thickness using Squeeze. Apply it at 2 SqM/L to achieve a desired thickness of 500 microns.

Topcoat

Mix and apply Jotafloor PU Topcoat HS/Jotafloor Pu Topcoat at specified film thickness by roller or spray.

Storage

The products must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

Caution

These products are for professional use only. The applicators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators shall use appropriate personal protection equipment when using the products. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.