

Jotafloor EP SL

Product description

This is a two component solvent free amine cured epoxy coating. It is a high performance product. It is a self levelling product leaving a seamless surface. It is flexible, abrasion, impact, chemical and slip resistant. If slip resistance is required Jotafloor Non Slip can be used in the system. To be used as midcoat/topcoat as part of a complete system in atmospheric environments. Suitable on approved primers on concrete substrates.

Typical use

Suitable for a wide range of floors with various levels of mechanical and chemical exposure. Specially designed for industrial floors, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars. May be used as a scrape coat to cover minor undulations on the surface.

Approvals and certificates

Determination of Compressive Strength - ASTM C579
 Determination of Tensile Strength - ASTM C307
 Determination of Flexural Strength - ASTM C580
 Determination of Bond strength to host concrete - BS 1881 : Part 207
 Determination of Crack Bridgeability - ASTM C884
 Determination of Rapid Chloride Permeability - AASHTO T277
 Determination of Water Permeability - DIN 1048
 Determination of Acid or Alkali Reaction - ASTM D543
 Determination of Water or Salt Spray Test - N.F.C. Standard
 Determination of Impact Resistance - ISO 6272
 Determination of Shore 'A' hardness - ASTM D2240
 Determination of Taber Abrasion (1,000 Cycles) - ASTM D4060
 Determination of Toxicity - BS 6920
 Determination of Flame Spread - ASTM D1360
 Determination of resistance to aviation fuel - ASTM D543 : 1987
 Determination of ease of decontamination - BS4247 Part 1:1987
 Determination of resistance to skydrol hydraulic fluid - ASTM D543-1987

Additional certificates and approvals may be available on request.

Colours

selected range of colours

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	98 ± 2 %
Gloss level (60 °)	ISO 2813	gloss (70-85)
Flash point	ISO 3679 Method 1	100 °C
VOC-USA / VOC Hong Kong	EPA Method 24	67 g/l
VOC-Solvent Emission Directive	SED (1999/13/EC)	50 g/kg

The provided data is typical for factory produced products, subject to slight variation depending on colour.

All data is valid for mixed paint.

Gloss level: According to Jotun Performance Coatings' definition.

Recommended film thickness per coat

Film thickness and spreading rate	Dry film thickness	Wet film thickness	Theoretical spreading rate (m ² /l)
	(µm)	(µm)	
Minimum	800	800	1,25
Maximum	5000	5000	0,2
Typical	2000	2000	0,5

Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)	Clean, dry and undamaged compatible coating (ISO 12944-4 6.1)

Application

Application methods

The product can be applied by

Trowel: Recommended

To avoid air bubbles, it is very important to pierce the coating with a spiked roller when desired film thickness is achieved.

Product mixing ratio (by volume)

Jotafloor EP SL Comp A	4,7	part(s)
Jotafloor EP SL Comp B	1	part(s)

Thinner/Cleaning solvent

Cleaning solvent: Jotun Thinner No. 17

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	8 h	5 h	2 h
Walk-on-dry	32 h	20 h	8 h
Dry to over coat, minimum	32 h	20 h	8 h
Dried to over coat, maximum, atmospheric	96 h	48 h	36 h
Dried/cured for service	12 d	9 d	3 d

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness. Dry sand sprinkled on the surface can be brushed off without sticking to or causing damage to the surface.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

Dried to over coat, minimum: The shortest time allowed before the next coat can be applied.

Dried to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied without any surface preparation.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

Induction time and Pot life

Paint temperature	23 °C
Pot life	20 min

45 min. after poured on to the floor.

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Jotun for specific system recommendation.

Previous coat: epoxy
Subsequent coat: epoxy, polyurethane

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor EP SL Comp A	14	20
Jotafloor EP SL Comp B	3	3

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product 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.

Shelf life at 23 °C

Jotafloor EP SL Comp A	12 month(s)
Jotafloor EP SL Comp B	24 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

This product is for professional use only. The applicators and operators 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 and operators shall use appropriate personal protection equipment when using this product. 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.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Colour variation

Products primarily meant for use as primers and antifoulings may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.