

## Jotafloor EPC SL

### Product description

This is a four component amine cured high volume solid, low VOC epoxy coating. It is a self levelling, easy to apply product, leaving a seamless surface. It is supplied as pre-weighed packing for on-site mixing. The finished floor provides a hard wearing, smooth, glossy surface.

### Typical use

Designed for a wide range of floors with various levels of mechanical exposure. Recommended for workshops, factories, laboratories, engineering & auto industries. Clean rooms, food processing factory & hospitals.

### Approvals and certificates

Determination of Compressive Strength - BS 6319-2  
Determination of Tensile Strength - BS 6319 - 7  
Determination of Flexural Strength - BS 6319-3  
Determination of Taber Abrasion (1000 Cycles) - ASTM D4060:2010  
Determination of Shore D Hardness - ASTM D2240:2005

All the tests were carried out at 23±2 °C and 60±5% RH (Relative Humidity). For more details refer test certificate.

Additional certificates and approvals may be available on request.

### Colours

According to colour card

### Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	98 ± 2 %
Gloss level (GU 60 °)	ISO 2813	Gloss (Above 70)
Flash point	ISO 3679 Method 1	82 °C
Density	calculated	1.7 kg/l
VOC-US/Hong Kong	US EPA method 24 (tested) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	65.7 g/l

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

All data is valid for mixed paint.

Gloss description: According to Jotun Performance Coatings' definition.

## Film thickness per coat

### Typical recommended specification range

Dry film thickness	1000 - 1500 µm
Wet film thickness	1000 - 1500 µm
Theoretical spreading rate	0.98 - 0.65 m <sup>2</sup> /l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

## 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 and Concrete	Clean, dry and undamaged compatible coating as per SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203	Clean, dry and undamaged compatible coating as per SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203

Laitance deposits are best removed by Planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris. For old concrete, Jotun technical team should visit the site and appropriate surface preparation methodology should be recommended and that is to be followed.

## Application

### Application methods

The product can be applied by

Roller:	Spike Roller
Trowel:	Steel Trowel

Conditions during application :

The temperature of the substrate should be minimum 15 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

This product should not be applied on to the surfaces which are known to, or likely to suffer from, rising dampness, potential osmosis problems or have a relative humidity greater than 80% as measured in accordance with BS 8203 Appendix A.

### Product mixing ratio (by volume)

Jotafloor EPC SL Comp A	3.45 part(s)
Jotafloor EPC SL Comp B	1 part(s)
Jotafloor EPC SL Comp C	0.83 part(s)
Jotafloor EPC SL Comp D	0.14 part(s)

No part mixing of this product.

Use a slow speed drill and mixing paddle.

The temperature of base and curing agent should be 18°C or higher when the paint is mixed.

The pre-weighed packs of the components - Base, hardener, filler and pigment has to be mixed using a slow speed drill and mixing paddle for 3 minutes.

Component A should be thoroughly stirred before mixing. Component D should then be added to Component A and mixed for 30 seconds until a homogeneous mix is obtained. Then Component B should be added and mixed for another 30 seconds until an even color, texture and homogeneous mix is achieved. Then Component C should be gradually added and mixing should be continued for another 2 minutes until a homogeneous material is obtained. Component C should be added gradually during mixing to avoid the formation of any lumps.

Do not add solvent thinners at any time.

### Thinner/Cleaning solvent

Cleaning solvent : Jotun Thinner No. 17

**Thinning of the product is not recommended.**

## Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	48 h	16 h	5.5 h
Walk-on-dry	48 h	18 h	6.5 h
Dry to over coat, minimum	48 h	24 h	8 h
Dry to over coat, maximum, atmospheric	72 h	48 h	24 h
Dried/cured for service	14 d	7 d	3 d

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

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

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

Dry to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied.

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

## Induction time and Pot life

<b>Paint temperature</b>	<b>23 °C</b>
Induction time	3 min, Recommended.
Pot life	35 min

## Product compatibility

Previous coat:	Jotafloor Sealer or Jotafloor SF PR 150 or Jotafloor EP UL
Subsequent coat:	Jotafloor PU Topcoat or Jotafloor PU Topcoat HS or Jotafloor Topcoat or Jotafloor Topcoat E

## Recommended Systems

### System 1:

Jotafloor SF PR 150 / Jotafloor Sealer/ Jotafloor EP UL Jotafloor EPC SL	Refer to product TDS 1000 - 1500 microns x 1 coat
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### System 2:

Jotafloor EPC SL	1000 - 1500 microns x 1 coat
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### For System 2 (Direct to concrete application)

Surface preparation to be done as per the mentioned recommended guidelines:

For the direct application of Jotafloor EPC SL on to the concrete, firstly a thorough inspection of the concrete should be carried out. All the repairs and imperfections should be carried out using Jotafloor Filler/ Jotafloor Filler Plus.

For porous concrete, a scrape coat of Jotafloor Filler or one or two coats of Jotafloor Sealer is recommended before the application of Jotafloor EPC SL.

## Packaging (typical)

	<b>Volume (litres)</b>	<b>Size of containers (litres)</b>
Jotafloor EPC SL Comp A	11.47	20
Jotafloor EPC SL Comp B	3.32	4
Jotafloor EPC SL Comp C	2.76	10
Jotafloor EPC SL Comp D	0.45	1

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 EPC SL Comp A	12 month(s)
Jotafloor EPC SL Comp B	12 month(s)
Jotafloor EPC SL Comp C	24 month(s)
Jotafloor EPC SL Comp D	12 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

When applicable, products primarily meant for use as primers or antifouling may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., and application quality. Contact your local Jotun office for further information.

### 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.