

Jotafloor SL Universal

Product description

This is a three 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 enhanced slip resistance is required Jotafloor Non Slip can be used in the system. To be used as mid coat 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 (GU 60 °)	ISO 2813	gloss (70-85)
Flash point	ISO 3679 Method 1	100 °C
VOC-US/Hong Kong	US EPA method 24 (tested)	43 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	800 - 5000 µm
Wet film thickness	800 - 5000 µm
Theoretical spreading rate	1,2 - 0,2 m ² /l

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
Concrete and 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: For thicknesses from 1.5 mm to 5 mm use a steel trowel or height adjustable steel spreader. For thicknesses from 800 µm to 1.5 mm the material should be spread out onto the floor using a flat edged trowel.

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

Conditions during application :

The temperature of the substrate should be minimum 10 °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.

Product mixing ratio (by volume)

Jotafloor SL Universal Comp A	7,5 part(s)
Jotafloor SL Universal Comp B (20)	3,75 part(s)
Jotafloor SL Universal Comp C	6,75 part(s)
Jotafloor SL Universal Comp A	7. 5 part(s)
Jotafloor SL Universal Comp B (40)	3.75 part(s)
Jotafloor SL Universal Comp C	6.75 part(s)

NO PART MIXING.

Use a slow speed drill and mixing paddle.

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

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Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 17

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Jotafloor SL Universal Comp B (20)			
Surface (touch) dry	6 h	4 h	2 h
Walk-on-dry	24 h	15 h	6 h
Dry to over coat, minimum	24 h	15 h	6 h
Dry to over coat, maximum, atmospheric	72 h	36 h	24 h
Dried/cured for service	10 d	7 d	3 d
Jotafloor SL Universal Comp B (40)			
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
Dry 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.

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 shortest time allowed 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

Paint temperature	23 °C
Jotafloor SL Universal Comp B (20)	
Pot life	10 min
Jotafloor SL Universal Comp B (40)	
Pot life	20 min

Jotafloor SL Universal Comp B (20) - 30 min. after poured on to the floor.

Jotafloor SL Universal Comp B (40) - 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 SL Universal Comp A	7.5	10
Jotafloor SL Universal Comp B (20)	3.75	5
Jotafloor SL Universal Comp B (40)	3.75	5
Jotafloor SL Universal Comp C	6.75	10

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 SL Universal Comp A	24 month(s)
Jotafloor SL Universal Comp B (20)	24 month(s)
Jotafloor SL Universal Comp B (40)	24 month(s)
Jotafloor SL Universal Comp C	120 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 antifoulings may have slight colour 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.
