

Jotafloor Coating

Product description

This is a two component amine cured solvent free epoxy coating. It is a self smoothing, easy to apply product, leaving a seamless surface. It has excellent chemical, abrasion and impact resistance. If enhanced slip resistance is required Jotafloor Non Slip can be used in the system. Can be applied directly in two coats or on approved primers depending on the conditions of the concrete substrate.

Typical use

Designed for a wide range of floors with various levels of mechanical and chemical exposure. Recommended for warehouses, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms.

Approvals and certificates

Determination of Compressive Strength - ASTM C579 : 45.3 N/mm²
Determination of Tensile Strength - ASTM C307 : 15.1 N/mm²
Determination of Flexural Strength - ASTM C580 : 41.7 N/mm²
Determination of Water permeability - BSEN 12390-8:2009 : 100 %
Determination of Shore 'D' Hardness - ASTM D 2240:2005 : 2005 : 100

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	96.2 ± 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) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	75 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	200 - 400 μm
Wet film thickness	210 - 420 μm
Theoretical spreading rate	4.8 - 2.4 m ² /l

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

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 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

- Brush: Use a stiff nylon brush. Recommended to paint corners and edges.
Roller: Recommended.

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.

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 Coating Comp A	2 part(s)
Jotafloor Coating Comp B (40)	1 part(s)

NO PART MIXING. Use a slow speed drill and mixing paddle. Pour the full contents of the mixed material onto the floor immediately after mixing is completed.

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

Thinner/Cleaning solvent

Cleaning solvent : Jotun Thinner No. 17

Thinner not to be used to dilute the product.

Jotafloor Coating Comp B (40)

Surface (touch) dry	15 h	7 h
Walk-on-dry	18 h	14 h
Dry to over coat, minimum	24 h	14 h
Dry to over coat, maximum, atmospheric	3 d	48 h
Dried/cured for service	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

Paint temperature

Jotafloor Coating Comp B (40)

Pot life 20 min

Jotafloor Coating 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: Jotafloor Sealer or Jotafloor Solvent Free Primer or Jotafloor SF PR 150

Subsequent coat: Jotafloor Topcoat or Jotafloor PU Topcoat or Jotafloor Topcoat E

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor Coating Comp A	3.2 / 13	5 / 20
Jotafloor Coating Comp B (40)		

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 Coating Comp A	24 month(s)
Jotafloor Coating Comp B (40)	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

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.