

Jotafloor Solvent Free Primer

Product description

This is a two component amine cured solvent free epoxy coating. It is transparent. It ensures very good adhesion on most concrete floors in atmospheric environments only. Specially designed for high build floor coatings on properly prepared concrete floors and walls.

Typical use

Designed for a wide range of floors with various levels of mechanical and chemical exposure. It is a primer for all Jotafloor products. Specially designed for use with the traffic deck system for heavy duty traffic, areas such as ramps, car parks, parking bays, pedestrian walkways, roof decks and industrial floors. Recommended for cold stores, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars. This product when used with Jotafloor Non Slip Aggregates, is suitable for filling and repairing of cracks, undulations and surface imperfections.

Approvals and certificates

Additional certificates and approvals may be available on request.

Colours

transparent

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	
Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	172 g/l
EU	European Paint Directive 2004/42/CE	Calculated	172 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	172 g/l

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

Gloss description: According to Jotun Performance Coatings' definition.

Film thickness per coat

Typical recommended specification range

Dry film thickness	50 - 200	µm
Wet film thickness	50 - 200	µm
Theoretical spreading rate	20 - 5	m ² /l

Surface preparation

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

Application

Application methods

The product can be applied by

Brush: Recommended.

Roller: Recommended.

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 Solvent Free Primer Comp A	2 part(s)
Jotafloor Solvent Free Primer Comp B (20)	1 part(s)
Jotafloor Solvent Free Primer Comp A	2 part(s)
Jotafloor Solvent Free Primer Comp B (40)	1 part(s)

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

Jotafloor Solvent free primer is a two-component supplied as the base (Comp A) and the hardener (Comp B). Part mixing of these components is still not acceptable and will affect both performance and appearance of the finished floor. Mixing should be carried out using a heavy duty slow speed mixer with proprietary mixing paddle attachment. Using a slow speed drill, mix the two components of the Jota floor Solvent free primer for a minimum of 1 minute until a homogeneous mixture is obtained.

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 17

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
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Jotafloor Solvent Free Primer Comp B (20)

Surface (touch) dry	7 h	5 h	3 h
Walk-on-dry	25 h	16 h	9 h
Dry to over coat, minimum	24 h	15 h	6 h
Dry to over coat, maximum, atmospheric	72 h	48 h	30 h
Dried/cured for service	10 d	7 d	4 d

Jotafloor Solvent Free Primer Comp B (40)

Surface (touch) dry	12 h	10 h	6 h
Walk-on-dry	42 h	30 h	18 h
Dry to over coat, minimum	32 h	24 h	10 h
Dry to over coat, maximum, atmospheric	96 h	72 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 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	23 °C
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Jotafloor Solvent Free Primer Comp B (20)

Pot life	10 min
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Jotafloor Solvent Free Primer Comp B (40)

Pot life	20 min
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Jotafloor Solvent Free Primer Comp B (20) - 30 min. after poured on to the floor.
Jotafloor Solvent Free Primer Comp B (40) - 45 min. after poured on to the floor.

Product compatibility

Subsequent coat: epoxy, polyurethane

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor Solvent Free Primer Comp A	3.33/13	5/20
Jotafloor Solvent Free Primer Comp B (20)	1.67/6.5	3/10
Jotafloor Solvent Free Primer Comp B (40)	1.67/6.5	3/10

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, shaded, 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 Solvent Free Primer Comp A	24 month(s)
Jotafloor Solvent Free Primer Comp B (20)	24 month(s)
Jotafloor Solvent Free Primer 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.

Green Building Standards

This product contributes to Green Building Standard credits by meeting the following specific requirements:

LEED®v4 (2013)

EQ credit: Low emitting materials

- VOC content for Floor coatings (100 g/l) (CARB(CSM)2007) and emission between 0.5 and 5.0 mg/m³ (CDPH method 1.1).

MR credit: Building product disclosure and optimization

- Material Ingredients, Option 2: Material Ingredient Optimization, International Alternative Compliance Path - REACH optimization: Fully inventoried chemical ingredients to 100 ppm and not containing substances on the REACH Authorization list – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list.

- Environmental Product Declarations. Product-specific Type III EPD (ISO 14025;21930, EN 15804).

LEED® (2009) :

IEQ Credit 4.2: The VOC requirements of SCAQMD Rule 1113, 2004.

BREEAM® International (2016) Issue 2.0

Hea 02: Meets the VOC emission demands (ISO 16000-9/10 (2006) or CDPH method 1.1 (2010) and the VOC content demands for Two-pack reactive performance coatings (80 g/l).

Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804).

BREEAM® International (2013)

Hea 02: VOC content for Two-pack performance coating WB (140 g/l) (EU Directive 2004/42/CE)

Additional certificates and approvals may be available on request.

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 and epoxy based products used as a finish coat may 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., application quality and generic type of paint. 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.