

Jotafloor Damp Bond

Product description

This is a two component amine cured epoxy coating. It is a high solids primer specially designed for use on concrete during the curing phase where the moisture content is still high. To be used as primer in atmospheric environments. Specially suited for properly prepared concrete substrates.

Typical use

Specially designed primer as part of a complete system 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 Curing Efficiency - ASTM C156
Determination of Water Permeability - DIN 1048
Determination of Crack Bridgeability - ASTM C836
Determination of Pull off Strength - BS 1881

Additional certificates and approvals may be available on request.

Colours

clear

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	80 ± 2 %
Flash point	ISO 3679 Method 1	80 °C
VOC-EU	EU VOC Directive 2004/42/CE (theoretical)	100 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.

Film thickness per coat

Typical recommended specification range

Dry film thickness	100 - 200 μm
Wet film thickness	125 - 250 μm
Theoretical spreading rate	8 - 4 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 as per SSPC SP13/NACE NO 6 /ASTM D4258 -05 /ACI 503.6R-97/SSPC-TR 5/ICRI TECHNICAL GUIDELINE 03741/NACE02203	Prepare the surface by means of enclosed blast shot or diamond grinding and other appropriate means to abrade the surrounding concrete and to remove laitance. 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

Spray:	Use airless spray.
Brush:	Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.
Roller:	Recommended

Product mixing ratio (by volume)

Jotafloor Damp Bond Comp A	2 part(s)
Jotafloor Damp Bond Comp B	1 part(s)

Thinner/Cleaning solvent

Thinner:	Jotun Thinner No. 17
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Guiding data for airless spray

Nozzle tip (inch/1000):	27-35
Pressure at nozzle (minimum):	150 bar/2100 psi

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	7 h	5 h	3 h
Walk-on-dry	24 h	20 h	14 h
Dry to over coat, minimum	8 h	6 h	4 h
Dry to over coat, maximum, atmospheric	30 h	24 h	18 h
Dried/cured for service	10 d	7 d	5 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
Pot life	30 min

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.

Subsequent coat: epoxy, polyurethane

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotafloor Damp Bond Comp A	13	20
Jotafloor Damp Bond Comp B	6.5	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 Damp Bond Comp A	48 month(s)
Jotafloor Damp Bond Comp B	48 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.

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.