

## Jotafloor Glass Flake

### Product description

This is a two component amine cured glass flake reinforced epoxy coating. It is a high solids, high build product. It is a high performance product. It is specially designed as an abrasive and impact resistant coating for areas with extreme wear and tear. If slip resistance is required Jotafloor Non Slip can be used in the system. Can be used as mid coat or finish coat 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 as a part of a complete system for heavy duty traffic, such as ramps, car parks, parking bays, pedestrian walkways and industrial floors. Recommended for warehouses, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms.

### Approvals and certificates

Determination of Shore 'A' hardness - ASTM D2240  
 Determination of resistance to aviation fuel - 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	80 ± 2 %
Flash point	ISO 3679 Method 1	30 °C
VOC-USA / VOC Hong Kong	EPA Method 24	210 g/l
VOC-Solvent Emission Directive	SED (1999/13/EC)	151 g/kg

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

### Recommended film thickness per coat

Film thickness and spreading rate	Dry film thickness (µm)	Wet film thickness (µm)	Theoretical spreading rate per coat (m <sup>2</sup> /l)
Minimum	300	375	2,7
Maximum	500	625	1,6
Typical	300	375	2,7

## 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	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

- Spray: Use airless spray.  
Roller: May be used for small areas.

### Product mixing ratio (by volume)

Jotafloor Glass Flake Comp A	3	part(s)
Jotafloor Glass Flake Comp B	1	part(s)

### Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 17

### Guiding data for airless spray

Nozzle tip (inch/1000):	19-23
Pressure at nozzle (minimum):	150 bar/2100 psi

## Drying and Curing time

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	14 h	5.5 h	2.5 h
Walk-on-dry	48 h	12 h	5 h
Dried to over coat, minimum	32 h	12 h	5 h
Dried to over coat, maximum, atmospheric	5 d	3 d	2 d
Dried/cured for service	14 d	7 d	3 d

Drying and curing times are determined under controlled temperatures and relative humidity below 85%, and within the DFT range of the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness. Dry sand sprinkled on the surface can be brushed off without sticking to or causing damage to the surface.

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

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

Dried to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied without any surface preparation.

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

1 h

## 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)

	<b>Volume (litres)</b>	<b>Size of containers (litres)</b>
Jotafloor Glass Flake Comp A	15	20
Jotafloor Glass Flake Comp B	5	5

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 Glass Flake Comp A	48 month(s)
Jotafloor Glass Flake 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.

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## 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.

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## 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.

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## Colour variation

Products primarily meant for use as primers and antifoulings may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

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## 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.

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