

# Technical Data

## Jotafloor Glass Flake HS



### 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. Specially suited for properly prepared concrete substrates.

---

### Recommended 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 car parks, warehouses, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms.
- 

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	300	500	300
Film thickness, wet ( $\mu\text{m}$ )	305	510	305
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	3,27	1,96	3,27

---

### Certificates

Determination of Shore 'A' hardness - ASTM D2240

Determination of resistance to aviation fuel - ASTM D543 : 1987

(These certificates are just a few examples of available certificates. Please contact Jotun for details)

---

## Physical properties

<b>Colour</b>	Limited number
<b>Solids (vol %)*</b>	98 ± 2
<b>Flash point</b>	30 °C ± 2 (Setaflash)
<b>VOC</b>	lbs/gal (31 gms/ltr) USA-EPA Method 24
<b>Gloss</b>	Semiflat
<b>Water resistance</b>	Excellent
<b>Abrasion resistance</b>	Excellent
<b>Solvent resistance</b>	Excellent
<b>Chemical resistance</b>	Excellent
<b>Flexibility</b>	Good

\*Measured according to ISO 3233:1998 (E)

---

## Surface preparation

All concrete damaged by exposure to chemicals, contaminated by any substance or unsound in any way, shall be removed to expose sound concrete.

### Bare steel

Cleanliness: Blast cleaning to min. Sa 2 ½ (ISO 8501 1:2007). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85 µm, Ry5) (ISO 8503-2).

### Coated surfaces

Clean, dry and undamaged compatible primer. Contact your local Jotun office for more information.

### Other surfaces

Concrete surface preparation by using dust free captive blasting units, grinding equipment, sand blasting or high pressure water jetting is critical to achieving the right surface profile prior to paint application. Please contact your local Jotun office for more information.

The coating may be used on other substrates. Please contact your local Jotun office for more information.

---

## Condition during application

The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. The moisture content in the concrete should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

---

## Application methods

<b>Spray</b>	Use airless spray
<b>Roller</b>	Use a suitable roller. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

---

## Application data

<b>Mixing ratio (volume)</b>	3:1
<b>Mixing</b>	3 parts Comp. A ( base) to be thoroughly mixed with 1 part Jotafloor Glass Flake HS, Comp. B (curing agent). We strongly recommended no part mixing.
<b>Pot life (23°C)</b>	1 hour (reduced at higher temperatures)
<b>Thinner/Cleaner</b>	Jotun Thinner No. 17
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa (150 kp/cm <sup>2</sup> , 2100 psi)
<b>Nozzle tip</b>	0.63 - 1.09 mm (0.025-0.043")
<b>Spray angle</b>	65 - 80°
<b>Filter</b>	Filters to be removed prior to spraying.
<b>Note</b>	This product should be applied by a trained specialist. Jotun can offer a list of Licensed Applicators on request to your local Jotun office.

---

## Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- \* Good ventilation (Outdoor exposure or free circulation of air)
- \* Typical film thickness
- \* One coat on top of inert substrate

<b>Substrate temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	14 h	5,5 h	2,5 h
<b>Through dry</b>	48 h	12 h	5 h
<b>Cured</b>	14 d	7 d	3 d
<b>Dry to recoat, minimum</b>	32 h	12 h	5 h
<b>Dry to recoat, maximum <sup>1</sup></b>	5 d	3 d	2 d

1. Recommended data given for product prior to application of Jotafloor Non Slip Aggregate and subsequent over coating with Jotafloor Polyurethane Finish.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

---

## Typical paint system

Jotafloor Sealer	1 x 40 µm	(Dry Film Thickness)
<b>Jotafloor Glass Flake HS</b>	<b>1 x 300 µm</b>	<b>(Dry Film Thickness)</b>
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	2 x 70 µm	(Dry Film Thickness)
Jotafloor Damp Bond	1 x 100 µm	(Dry Film Thickness)
<b>Jotafloor Glass Flake HS</b>	<b>1 x 300 µm</b>	<b>(Dry Film Thickness)</b>
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	2 x 70 µm	(Dry Film Thickness)

Jotafloor SF Primer	1 x 150 µm	(Dry Film Thickness)
<b>Jotafloor Glass Flake HS</b>	<b>1 x 400 µm</b>	<b>(Dry Film Thickness)</b>
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	3 x 70 µm	(Dry Film Thickness)

Other systems may be specified, depending on area of use

---

## Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

---

## Handling

Handle with care. Stir well before use.

---

## Packing size

20 litre unit: 15 litres Comp. A (base) in a 20 litre container and 5 litres Jotafloor Glass Flake HS, Comp. B (curing agent) in a 5 litre container.

---

## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. 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.

**For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.**

---

## DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

Jotun is a World Wide company with factories, sales offices and stocks in more than 50 countries. For your nearest local Jotun address please contact the nearest regional office or visit our website at [www.jotun.com](http://www.jotun.com)

ISSUED 20 OCTOBER 2013 BY JOTUN  
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED