# Technical Data Sheet

# Jotafloor Sealer HS

## Product description

This is a two component amine cured epoxy coating. It exhibits excellent penetration properties to ensure good adhesion on most concrete floors in atmospheric environments only. Especially suited for properly prepared concrete substrates.

### Typical use

It is a sealer for all Jotafloor products. Specially designed for use independently as a dust binder for concrete floors. Recommended for warehouses, garages, dairies, factories, laboratories, aircraft hangars, food, beverage and plant rooms.

### Approvals and certificates

Determination of Adhesion Strength : ASTM d 4541- >1.50 N/mm2
Determination of Water Permeability : BS EN 12390 - NIL
Determination of water absorption : ASTM C 413 - 0.02 %
Determination of Grain test : NIL

Additional certificates and approvals may be available on request.

### Colours

Transparent

## Product data

| Property | Test/Standard | Description |
|---|---|---|
| Solids by volume | | 90 ± 2 % |
| Gloss level (GU 60 °) | ISO 2813 | gloss (70-85) |
| Flash point | ISO 3679 Method 1 | 100 °C |
| Density | calculated | 1.1 kg/l |

| Region | Regulation | Test Standard | VOC Value |
|---|---|---|---|
| US | CARB(SCM)2020 / SCAQMD rule 1113 | Calculated | 208 g/l |
| EU | European Paint Directive 2004/42/CE | Calculated | 208 g/l |
| EU IED | Industrial Emission Directive 2010/75/EU | Calculated | 208 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.



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# Film thickness per coat

**Typical recommended specification range**

| | | | | |
|---|---|---|---|---|
| Dry film thickness | 63 | - | 108 | µm |
| Wet film thickness | 70 | - | 120 | µm |
| Theoretical spreading rate | 14.2 | - | 8.2 | m²/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 |
| Coated surfaces and Concrete | 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: | Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness. |
| Roller: | May be used. Care must be taken to achieve the specified dry film thickness. |

**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 5% (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.



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## Product mixing ratio (by volume)

| | |
|---|---|
| Jotafloor Sealer HS Comp A | 3 part(s) |
| Jotafloor Sealer HS Comp B | 1 part(s) |

No part mixing of this product.
Use a slow speed drill and mixing paddle.
The temperature of the 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.**

## Guiding data for airless spray

Pressure at nozzle (minimum): 150 bar/2100 psi

# Drying and Curing time

| Substrate temperature | 23 °C | 40 °C |
|---|---|---|
| Surface (touch) dry | 14 h | 7 h |
| Walk-on-dry | 20 h | 12 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 | 23 °C |
|---|---|
| Induction time | 3 min |
| Pot life | 25 min |



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## Product compatibility

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

## Packaging (typical)

| | Volume (litres) | Size of containers (litres) |
|---|---|---|
| Jotafloor Sealer HS Comp A | 7.5 | 10 |
| Jotafloor Sealer HS Comp B | 2.5 | 3 |

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 Sealer HS Comp A | 24 month(s) |
| Jotafloor Sealer HS Comp B | 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 applicator and operator 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 should 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 in 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 sought medical attention immediately.

## Colour variation



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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 data given 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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