

# Technical Data

## JOTAFLOOR TOPCOAT



### Product description

Jotafloor Topcoat is a two-pack epoxy floor coating offering good chemical resistance, durability and available in a variety of colours. May also be used as a final coating on Jotafloor Screed.

### Recommended use

Areas requiring a dust free, hard wearing and aesthetically pleasing floor coating such as:

- Warehouses
- Garages
- Workshops
- Production areas

Excellent adhesion to primed concrete, mortar, screed and a limited number of other surfaces make Jotafloor Topcoat ideal for many uses in light to medium industrial areas.

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	40	60	50
Film thickness, wet ( $\mu\text{m}$ )	80	120	100
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	12.5	8.3	10

### Physical properties

<b>Colour</b>	White, Grey 38, Black, Yellow 2, Red 49, Green 137 and available in Multicolor Industry.
<b>Solids (vol %)*</b>	50 $\pm$ 2
<b>Flash point</b>	25°C $\pm$ 2 (Setaflash)
<b>Gloss</b>	Glossy
<b>Gloss retention</b>	Fair
<b>Water resistance</b>	Very good
<b>Abrasion resistance</b>	Very good
<b>Solvent resistance</b>	Excellent
<b>Chemical resistance</b>	Excellent Check chemical resistance values on Jotun chemical resistance chart.
<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.

### 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. 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. Good ventilation is usually required in confined areas to ensure proper drying. 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>Brush</b>	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
<b>Roller</b>	May be used 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>	4 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent)
<b>Mixing</b>	½ hour prior to use.
<b>Pot life (23°C)</b>	8 hours. (Reduced at higher temp.)
<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>	0.46 - 0.58 mm (0.018-0.023")
<b>Spray angle</b>	40 - 80°
<b>Filter</b>	Check to ensure that filters are clean.

## 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

### Normal hardener

Substrate temperature	10°C	23°C	40°C
Surface dry	2.5 h	1.5 h	0.5 h
Through dry	14 h	6.5 h	3 h
Cured	14 d	7 d	3 d
Dry to recoat, minimum <sup>1</sup>	14 h	7 h	3 h

1. The surface should be free from chalking and contamination prior to application. Best intercoat adhesion occurs when the subsequent coat is applied before the preceding coat has cured. If this is exceeded it may be necessary to roughen the surface.

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)
Jotafloor Topcoat	1-2 x 50 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

16 L. Comp. A (base) and 4 L. Comp. B (curing agent)

4 L. Comp. A (base) and 1 L. Comp. B (curing agent)

Packing may vary from country to country according to local requirements.

## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale 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.

**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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.*

**Head Office & Nordic**

Jotun Paints  
P.O. Box 2021  
N-3248 Sandefjord  
Norway  
Phone +47 33 45 70 00  
Fax +47 33 46 46 13

**Europe**

Jotun Paints (Europe) Ltd.  
Stather Road, Flixborough  
North Lincolnshire DN15 8RR  
United Kingdom  
Phone +44 172 44 00 000  
Fax +44 172 44 00 100

**Middle East**

Jotun U.A.E Ltd. LLC.  
Al Quoz Industrial Area  
P.O Box 3671  
Dubai U.A.E  
Phone +971 4 3 39 50 00  
Fax +971 4 3 38 06 66

**South East Asia**

Jotun (Singapore) Pte. Ltd.  
No 11-15, Sixth Lok Yang  
Road  
Jurong  
Singapore 628 111  
Phone +65 6265 4711  
Fax +65 6265 7484

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