

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 (μm)	40	60	50
Film thickness, wet (μm)	80	120	100
Theoretical spreading rate (m^2/l)	12,5	8,3	10

Physical properties

Colour	Available in Jotun Multicolor tinting system.
Solids (vol %)*	50 ± 2
Flash point	25°C ± 2 (Setaflash)
VOC	448 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Glossy
Gloss retention	Fair
Water resistance	Very good
Abrasion resistance	Very good
Solvent resistance	Excellent
Chemical resistance	Excellent Check chemical resistance values on Jotun chemical resistance chart.
Flexibility	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

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

Mixing ratio (volume)	4:1
Mixing	4 parts Comp. A (base) to be mixed thoroughly with 1 part Jotafloor TC, Comp. B (curing agent).
Induction time	30 minutes.
Pot life (23°C)	8 hours. (Reduced at higher temp.)
Thinner/Cleaner	Jotun Thinner No. 17
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm ² 2100 psi)
Nozzle tip	0.46 - 0.58 mm (0.018-0.023")
Spray angle	40 - 80°
Filter	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 ¹	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

Test Certificates

Determination of Bond strength to host concrete - BS 1881 : Part 207
Determination of Crack Bridgeability - ASTM C884

Determination of Rapid Chloride Permeability - AASHTO T277
Determination of Water Permeability - DIN 1048
Determination of Acid or Alkali Reaction - ASTM D543
Determination of Weather or Salt Spray Test - N.F.C. Standard
Determination of Impact Resistance - ISO 6272
Determination of Shore 'A' hardness - ASTM D2240
Determination of Taber Abrasion (1,000 Cycles) - ASTM D4060
Determination of Toxicity - BS 6920
Determination of Flame Spread - ASTM D1360

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 litres Comp. A in a 20 litre container and 4 litres Jotafloor TC, Comp. B (curing agent) in a 5 litre container.
4 litres Comp. A in a 5 litre container and 1 litre Jotafloor TC, Comp. B (curing agent) in a 1 litre container.

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 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

ISSUED 26 NOVEMBER 2010 BY JOTUN
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED