Technical Data
Jotafloor Coating

Product description
Jotafloor Coating is a high performance, self smoothing, solvent free, seamless epoxy coating capable of being applied at varying thicknesses to suit the final use of the floor. Jotafloor Coating offers excellent chemical, abrasion and impact resistance.

Recommended use
Jotafloor Coating has a wide range of application uses ranging from light industrial areas to floors requiring long lasting protection from abrasion and heavy loads.
Typical areas include concrete floors in:

- Warehouses
- Garages
- Dairies
- Factories
- Laboratories
- Aircraft hangars
- Plant rooms
- Food manufacturing plants
- Car parks

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	200	500	300
Film thickness, wet (µm)	200	500	300
Theoretical spreading rate (m^2/l)	5	2	3,3

Physical properties

Colour	Available in a range of attractive colours. See Jotafloor Colour card.
Solids (vol %)*	98 ± 2
Flash point	>100ºC (Setaflash)
VOC	20 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Glossy
Water resistance	Excellent
Abrasion resistance	Excellent
Solvent resistance	Excellent
Chemical resistance	Excellent Check chemical resistance values in Jotafloor chemical resistance chart.

*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. 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

Brush	Stiff nylon brush
Roller	Recommended
Other	It is very important to pierce the coating with a spiked roller, after achieving the desired thickness, to avoid air bubbles.

Application data

Mixing ratio (volume)	2:1
Mixing	2 parts Comp. A (base) to be mixed thoroughly with 1 part Jotafloor Coating, Comp. B (curing agent). NO PART MIXING. Use a slow speed drill and mixing paddle. Pour the full contents of the mixed material onto the floor immediately after mixing is completed.
Pot life (23°C)	Jotafloor Coating Comp. B (20) 10 min. (30 min. after poured on to the floor). Jotafloor Coating Comp. B (40) 20 min. (45 min. after poured on to the floor).
Thinner/Cleaner	Jotun Thinner No. 17
Note	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

Curing agent Comp. B (20):			
Substrate temperature	**15°C**	**23°C**	**40°C**
Surface dry	6 h	3 h	2 h
Through dry	24 h	15 h	6 h
Cured	10 d	7 d	3 d
Dry to recoat, minimum	24 h	15 h	6 h
Dry to recoat, maximum [1]	72 h	48 h	30 h

Curing agent Comp. B (40):			
Substrate temperature	**15°C**	**23°C**	**40°C**
Surface dry	8 h	5 h	2 h
Through dry	32 h	20 h	8 h
Cured	12 d	9 d	3 d
Dry to recoat, minimum	32 h	20 h	8 h
Dry to recoat, maximum [1]	96 h	72 h	36 h

1. The surface should be free from chalking and contamination prior to application. If the maximum dry to recoat time is exceeded, please contact Jotun for advice.

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 50 µm	(Dry Film Thickness)
Jotafloor Coating	**1 x 300 µm**	**(Dry Film Thickness)**
or		
Jotafloor Solvent Free Primer	1 - 2 x 100 µm	(Dry Film Thickness)
Jotafloor Coating	**1 x 300 - 500 µm**	**(Dry Film Thickness)**

Note: Thickness of the finished system will vary depending on use of the finished floor. Consult your local Jotun Office for advice.

Other systems may be specified, depending on area of use

Test Certificates

Determination of Compressive Strength - ASTM C579
Determination of Tensile Strength - ASTM C307
Determination of Flexural Strength - ASTM C580
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 Water 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
Determination of ease of decontamination - BS4247 Part 1:1987
Determination of resistance to aviation fuel - ASTM D543 : 1987

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

13 litres Comp. A (base) in a 20 litre container and 6,5 litres Jotafloor Coating, Comp. B (B20 or B40) in a 10 litre container
and
3,2 litres Comp. A (base) in a 5 litre container and 1,6 litres Jotafloor Coating, Comp B (B20 or B40) in a 3 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.