

Technical Data

JOTAFLOOR PU TOPCOAT



Product description

A two-pack, high solids polyurethane constituting the finishing layer of the Jotafloor Traffic Deck System. Offers excellent gloss and colour retention and resistance to contaminants normally found in a car park/traffic deck situation. VOC compliant (350-380 g/l dependant on colour) - 1990 EPA - PG6/23(95).

Recommended use

For use in conjunction with Jotafloor products comprising the Jotafloor Traffic Deck System. Can be spray, brush or roller applied in two or three coats depending on the volume of traffic expected. This product can also be used independently of the Jotafloor Traffic Deck System. A wide range of colours are available. Typical areas include:

- Underground car parks
- Ramps
- External traffic deck
- Concrete balconies
- Parking bays
- Pedestrian walkways

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	50	80	60
Film thickness, wet (μm)	80	130	95
Theoretical spreading rate (m^2/l)	12.6	7.9	10.5

Physical properties

Colour	According to colour card and Multicolor tinting system (MCI)
Solids (vol %)*	63 \pm 2
Flash point	34°C \pm 2 (Setaflash)
Gloss	Glossy
Gloss retention	Excellent
Water resistance	Very good
Abrasion resistance	Very good
Solvent resistance	Very good
Chemical resistance	Very good
Flexibility	Very good

*Measured according to ISO 3233:1998 (E)

Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

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 0°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.

Application methods

Spray	Use airless spray or conventional 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)	5 parts Comp. A (Base) to be mixed thoroughly with 1 part Comp. B (Curing agent).
Pot life (23°C)	2½ hours
Thinner/Cleaner	Jotun Thinner No. 10
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm ² , 2100 psi)
Nozzle tip	0.35-0.55 mm (0.015-0.021")
Spray angle	40-80°
Filter	Check to ensure that filters are clean.
Note	Detailed mixing and application instructions can be found on the relevant Product Information Sheet.

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

Substrate temperature	0° C	5° C	10° C	23° C	40° C
Surface dry	24 h	16 h	10 h	5 h	3 h
Through dry	48 h	24 h	16 h	7 h	3 h
Cured	24 d	21 d	14 d	7 d	4 d
Dry to recoat, minimum	48 h	24 h	16 h	7 h	3 h
Dry to recoat, maximum ¹					

1. The surface should be dry and free from any contamination or chalking prior to application of the subsequent coat.

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 Glass Flake	1 x 300 µm	(Dry Film Thickness)
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)
Jotafloor Glass Flake	1 x 300 µm	(Dry Film Thickness)
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	2 x 70 µm	(Dry Film Thickness)
Jotafloor Solvent Free Primer	1 x 150 µm	(Dry Film Thickness)
Jotafloor Glass Flake	1 x 400 µm	(Dry Film Thickness)
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	2 x 70 µm	(Dry Film Thickness)
Jotafloor Solvent Free Primer	1 x 150 µm	(Dry Film Thickness)
Jotafloor Non Slip Aggregate		(Available in various sizes)
Jotafloor PU Topcoat	2 x 70 µm	(Dry Film Thickness)

Other systems may be specified, depending on area of use

Test Certificates

Determination of Elongation - ASTM D2370

Determination of ease of decontamination - BS4247 Part 1:1987

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

15 ltr. Comp. A and 3 ltr. Comp. B

4 l ltr. Comp. A and 0.8 ltr. Comp. B

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.

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