

Technical Data

JOTAFLOOR GLASS FLAKE



Product description

A two pack, high solids epoxy reinforced with glass flakes that constitutes the protective layer of the Jotafloor Traffic Deck System. Offers all round protection against substances likely to assist in steel corrosion within a concrete substrate and provides excellent resistance to impact and abrasion and the stresses found in car parks/traffic decks subject to heavy vehicular traffic.

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) | 300 | 500 | 300 |
| Film thickness, wet (μm) | 375 | 625 | 375 |
| Theoretical spreading rate (m^2/l) | 2.66 | 1.6 | 2.66 |

Physical properties

| | |
|---------------------|--------------------------|
| Colour | Limited number |
| Solids (vol %)* | 80 \pm 2 |
| Flash point | 30°C \pm 2 (Setaflash) |
| Water resistance | Excellent |
| Abrasion resistance | Excellent |
| Solvent resistance | Excellent |
| Chemical resistance | Excellent |
| 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.

Bare steel

Cleanliness: Blast cleaning to min. Sa 2 ½ (ISO 8501 1:1988). Roughness: using abrasives suitable to achieve Grade Medium G (50 - 85 µm, Ry5) (ISO 8503-2).

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 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

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

Application data

| | |
|-----------------------------------|---|
| Mixing ratio (volume) | 3 parts Comp. A (base) to 1 part Comp. B (curing agent). We strongly recommended no part mixing. |
| Pot life (23°C) | 1 hour (reduced at higher temperatures) |
| Thinner/Cleaner | Jotun Thinner No. 17 |
| Guiding data airless spray | |
| Pressure at nozzle | 15 MPa (150 kp/cm ² , 2100 psi) |
| Nozzle tip | 0.63 - 1.09 mm (0.025-0.043") |
| Spray angle | 65 - 80° |
| Filter | Filters to be removed prior to spraying. |
| 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

| Substrate temperature | 10°C | 23°C | 40°C |
|-------------------------------------|------|-------|-------|
| Surface dry | 14 h | 5.5 h | 2.5 h |
| Through dry | 48 h | 12 h | 5 h |
| Cured | 14 d | 7 d | 3 d |
| Dry to recoat, minimum | 32 h | 12 h | 5 h |
| Dry to recoat, maximum ¹ | 5 d | 3 d | 2 d |

1. Recommended data given for product prior to application of Jotafloor Non Slip Aggregate and subsequent over coating with Jotafloor Polyurethane Finish.

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 | 3 x 70 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

12 L. Comp. A (base) and 4 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.

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ISSUED 13 FEBRUARY 2002 BY JOTUN PAINTS
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