



constructive solutions

Fosroc Trafficguard UR250

Skid resistant, flexible, waterproof protection flooring system

Uses

Trafficguard UR250 is a modified polyurethane-based traffic deck system designed to provide an added level of protection to, new and existing, heavily trafficked areas such as:

- Car parks, driveways and Ramps
- Industrial manufacturing units
- Warehouses

Advantages

- Flexible and tear resistant
- Durable and low maintenance cost
- Waterproof
- Resistant to different chemicals like acids, greese & oils
- Seamless
- Rapid application, reliable and safe
- Slip resistance
- Available in a wide range colours

Description

Trafficguard UR250 is a multi-layer deck protection system comprising a primer, waterproof fair coat and UV resistant wearing course. All components are applied in the liquid phase and react chemically to form a tough, waterproof, protective surface.

Properties

Intermediate Coat(Nitoflor FC150 coat)

Resistance to chemical spillage	: 7 days
Tensile strength (ASTM D638-99)	: 20 N/mm ²
Water absorption (ASTM D570-98)	: <0.1%
Shore D Hardness (ASTM D2240 : 1996)	: 77 - 85

Wearcourse

Weathering (30 days) (ASTM G53)	: No change in original appearance
Corrosion Resistance (ASTMB117)	: No change in original appearance
Humidity Resistance (water Fog exposure)	: No change in original appearance

Instructions for use

Surface Preparation

New concrete surfaces should have reached 80% of their intended physical properties - generally only achieved after a minimum curing period of 28 days. Existing concrete surfaces must be prepared to provide a clean, sound substrate.

Surfaces should be clean and dry with open capillary, free from laitance, oil & grease, curing compounds or other surface contaminants which may prevent full and proper adhesion of the primer. All blowholes, and other surface undulations greater than 1 mm in depth, should be repaired using Nitomortar FC(B)*†.

Temperature of the substrate during application must be between 5°C and 40°C.

Priming

Priming is normally not required provided the course is sound and non-porous. Apply Trafficguard Primer to the prepared surface at a wet film thickness of 200 microns and allow to cure for 24 hours.

Note: Trafficguard primer could be replaced By using Nitoprime SP.

Application

Intermediate Coat(Nitoflor FC150)

Apply Nitoflor FC150 at a wet film thickness of 200 - 250 microns. For best results the Nitoflor FC150 should be applied with a short hair roller.

Whilst the base coat is still wet apply Fosroc Anti Slip Grain No. 2 or 3 at a rate of 0.4 - 1kg / m². Allow to cure for 12 hours prior to applying the wear course.

Wear Course

Apply Trafficguard Wear Course to the base coat at a wet film thickness of 140 microns. Allow to cure for 24 hours prior to trafficking.

Cleaning

Tools and equipment should be cleaned with immediately after use with Fosroc Solvent 102*.

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Estimating

Supply

Trafficguard Primer	: 9 litre packs
Nitoflor FC150	: 4.5 litre packs
Trafficguard Wear Course	: 20 litre packs
Antislip Grains No. 2, 3	: 25 kg bags

Coverage

Trafficguard Primer	: 5.0 m ² /litre
Nitoflor FC150	: 5.0 m ² /litre
Trafficguard Wear Course	: 4.7 m ² /litre
Antislip Grains No. 2, 3	: 0.4 kg / m ²

Note: The above coverage rates are given for guidance only as actual quantities used will vary depending upon the nature of substrate and conditions on site.

Storage

Shelf life

When stored in warehouse conditions at less than 25°C, Trafficguard UR250 will have a shelf life of 12 months. Avoid storage of material under direct sunlight.

Technical Support

Fosroc offers a full technical support package to specifiers, end users and contractors, as well as on-site assistance in locations all over the world.

Limitations

- Do not proceed with application if precipitation is imminent, temperatures are expected to drop below 7°C within 24 hours of application.
- Trafficguard UR250 should not be applied onto substrate known to suffer from rising dampness, having R.H. greater than 75% as measured in accordance with BS 8203 Appendix A or having moisture content greater than 5% as measured by a Hammond concrete/mortar moisture tester (type COCO).

- Do not proceed with application if an osmotic condition is known or is suspected to exist.

Precautions

Health and safety

Trafficguard Primer, loose cans, wear course and Fosroc Solvent 102 should not come in contact with skin or eyes, nor should they be swallowed. Avoid inhalation of vapours and ensure adequate ventilation.

Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams such as Kerodex Antisolvent or Rozalex Antipaint provide additional skin protection.

Should accidental skin contact occur, remove immediately with a resin removing cream such as Kerocleanse Standard Grade Skin Cleanser or Rozaklens Industrial Skin Cleanser, followed by washing with soap and water - **do not** use solvent.

The use of goggles is recommended, in case of accidental eye contamination, rinse immediately with plenty of water and seek medical advice.

If swallowed seek medical attention immediately - **do not** induce vomiting.

Fire

Fosroc Solvent 102 is flammable. Do not use near a naked flame.

Flash points

Fosroc Solvent 102	: 33°C
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* Denotes the trademark of Fosroc International Limited

† See separate data sheet



Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

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