

Trafficguard UR100

Skid resistant, waterproof, flexible and UV resistant protection system for car park

Uses

Trafficguard UR100 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 park decks
- Car park ramps
- Turning areas
- Entrance/exit areas
- Thoroughfares

Advantages

- Flexible and tear resistant
- Multi purpose
- Seamless and watertight
- Rapid application, reliable and safe
- Available in a range of colours

Description

Trafficguard UR100 is a multi-layer deck protection system comprising a primer, waterproof membrane, flexible Intermediate coat and UV resistant wearing course. All components are applied in the liquid phase and react chemically to form a tough, flexible, protective surface

Technical Support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Technical Properties

Slip Resistance (BS 7976 part 2)	
Dry slip Resistance	89-R13 (Best-Especially on slope)
Wet Slip resistance	39-R11 (Better-minimum recommended)
Elongation (DIN 53504)	>165mm
Abrasion Resistance (ASTM D 4060)	0.042 mg/ cycle loss of weight (with CS 17 wheel of 1000g weight)
Skid Resistance (BS 812 part 114)	
Dry Slip Resistance	99 (Low)
Wet Slip Resistance	77 (Low)
Crack Bridging (ASTM C 836)	>2.5mm
Tensile Strength (ASTM D 412)	
Intermediate coat	>4.5 N/mm ²
Wear Course	>3.5 N/mm ²

Surface Preparation

New concrete surfaces should have 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 capillaries, free from laitance, oil, grease, curing compounds or other surface contaminants. All blowholes, and other surface undulations greater than 1 mm in depth, should be repaired using Nitomortar FC. Temperature of the substrate during application must be between 5°C and 40°C.

Priming

Apply Notiprime25 / Nitoprime30 / Nitoprime31 to the prepared surface at a wet film thickness of 200 microns and allow to cure for 24 hours

Application

Membrane

Apply Trafficguard UR100 Membrane to the primer surface at a wet film thickness of 750-900 microns. For best results Trafficguard UR100 Membrane should be applied with a notched trowel or squeegee. Allow to cure for 16 hours at 25°C.

Intermediate Coat

Apply Trafficguard Intermediate Coat to the membrane at a wet film thickness of 200-500 microns. For best results the Trafficguard Intermediate Coat should be applied with a notched trowel or squeegee. Broadcast with Antislip Grain No. 2 or 3 at a minimum rate of 2 to 3 kg/m² and roll with Spike Roller to required finish. Allow to cure for 16 hours at 25°C.

Wear Course

Apply Trafficguard Wear Course to the Intermediate coat at a wet film thickness of 100 to 200 microns per coat, When application is complete the system should be permitted to cure for 72 hours @ 35°C or 7 days @ 25°C prior to being trafficked

Cleaning

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

Estimating

Supply

Nitoprime 30	: 4 litre packs
Trafficguard membrane	: 8 litre packs
Trafficguard intermediate Coat	: 18 litre packs
Trafficguard Wear Course	: 20 litre packs
Antislip Grains No. 2, 3	: 20 kg bags

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Coverage

Nitoprime 30	: 5 m ² /litre
Trafficguard membrane	: 1 1.1 to 1.3 m ² /litre
Trafficguard intermediate Coat	: 2.5 m ² /litre
Trafficguard Wear Course	: 0.2 litre/m ² /coat

Note: Varying thickness outside the normal range is possible with each layer based on special requirements / Specifications, subject to the prior approval from local Berger Fosroc office.

Storage

Shelf life

When stored in warehouse conditions at less than 25°C, Trafficguard UR100 will have a shelf life of 12 months. Avoid storage of material under direct sunlight

Storage conditions

Store in dry conditions between 5°C and 30°C, away from sources of heat and naked flames, in the original, unopened packs.

If stored at high temperatures the shelf life will be reduced.

Disposal

All cementitious products and Inert epoxy fillers can be used for landfilling. Any left out of epoxy base and hardener (expired or small bottom quantity) before disposing to empty cans/tins/pail buckets, take out the material and mix both base and hardener, make it solid and then dispose through authorized PCB vendor. Used empty epoxy Base & Hardener pail buckets/Tins, (Ensure completely drained out the material) dispose through approved vendor only.

Limitations

- Do not use on floors where rising dampness or a potential osmosis problem may exists.
- Do not proceed with application if precipitation is imminent, or temperatures are expected to drop below 7°C within 24 hours of application

Precautions

Health and safety

Trafficguard Primer, Membrane, Intermediate Coat, Wear Course and Berger 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.

Wear suitable protective clothing, gloves and eye/face protection. Use goggles, 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

Do's and Don'ts

Do's

- Cleaning regularly with Mop and Soft washing agent or with soft mopping device.
- Trolley and Forklift movement with rubber or Teflon wheel
- All normal activity without any mechanical damage of the floor.
- Consult with manufacturer if any cut to be made over the floor
- Clean the floor immediately, if any strong chemical or hot liquid fall on the floor.

Don'ts

- Use any Harsh chemicals, acid base or any cleaning solution without confirming the manufacturer
- Dragging of sharp, heavy object and trolley with metal wheel
- Allow any Impact with heavy object on the floor
- Carry out any hot activity like welding or with any activity which create fire
- Drill or core cutting without confirmation from manufacturer
- Make it expose to high temperature > 60°C

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Additional information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & spoxy grouts
- specialised flooring materials

Fosroc additionally offers a comprehensive package of products specifically designed for the repair and refurbishment of damaged concrete. Fosroc's 'Systematic Approach' to concrete repair features the following :

- hand-placed repair mortars
- spray grade repair mortars
- fluid micro-concretes
- chemically resistant epoxy mortars
- anti-carbonation/anti-chloride protective coatings
- chemical and abrasion resistant coatings

For further information on any of the above, please consult your local Fosroc office - as below.



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