

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

Intermediate coat

Elongation (ASTM D412)	: > 300%
Tensile Strength (ASTM D412)	: 4 N/mm ²
Tear Resistance (ASTM D624)	: 15 N/m ²
Crack Bridging ability (ASTM C1305)	: Pass

Membrane

Elongation (ASTM D412)	: > 100%
Tensile Strength (ASTM D412)	: 6.0 N/mm ²
Tear Resistance (ASTM D624)	: 26.0 N/mm
Crack Bridging ability	

(ASTM C1305)	: Pass
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Wear course

Weathering (30days) (ASTM D412)	: No change in original appearance
Corrosive Resistance (ASTM B117)	: No change in original appearance
Humidity Resistance (Water fog exposer)	: No change in original appearance

Instructions for use

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

Trafficguard UR100

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

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 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

Limitations

- Do not use on floors where rising dampness or a potential osmosis problem may exist.
- 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 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

For additional information see relevant Material Safety Data Sheet.

* 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 terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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