



Trafficguard UR100

Skid resistant, waterproof flexible protection system for car park decks

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

Description

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

Trafficguard UR100 is available in a range of 3 standard colours: Silver Grey, Sage Green or Brick Red.

Properties

Elongation

(ASTM D412) : > 100%

Tensile Strength

(ASTM D412) : 6.0 N/mm²

Tear Resistance

(ASTM D624) : 26.0 KN/m²

Shore A Hardness

(ASTM D2240) : > 80

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.

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 capillaries, 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

Apply Trafficguard UR100 Primer to the prepared surface at a wet film thickness of 200 microns. Whilst Trafficguard UR100 Primer is still wet, seed with Fosroc Anti Slip Grain No. 3 at a rate of 0.4 kg/m² and allow to cure for 24 hours.

Application

Membrane

Apply Trafficguard UR100 Membrane to the primer surface at a wet film thickness of 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.

Base Coat

Apply Trafficguard UR100 Base Coat to the primed surface at a wet film thickness of 750 microns. For best results the Trafficguard UR100 Base Coat should be applied with a notched trowel or squeegee. Broadcast with Antislip Grain No. 2 or 3 at a minimum rate of 5 kg/m² and roll with Spike Roller to required finish. Allow to cure for 16 hours at 25°C.

Wear Course

Apply Trafficguard UR100 Wear Course to the base coat at a wet film thickness of 225 microns. 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*.

Trafficguard UR100

Estimating

Supply

Trafficguard UR100 Primer : 4 litre packs

Trafficguard UR100 membrane : 8 litre packs

Trafficguard UR100 Base Coat : 8 litre packs

Trafficguard UR100 Wear Course : 20 litre packs

Antislip Grains No. 2, 3 : 20 kg bags

Coverage

Trafficguard UR100 Primer : 5 m²/litre

Trafficguard UR100 membrane : 1.1 m²/litre

Trafficguard UR100 Base Coat : 1.3 m²/litre

Trafficguard UR100 Wear Course : 4.4 m²/litre

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 UR100 will have a shelf life of 12 months.

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.



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Important note :

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Precautions

Health and safety

Trafficguard UR100 Primer, Membrane, Base 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.

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 and Trafficguard UR100 Primer are flammable. Do not use near a naked flame.

Flash points

Fosroc Solvent 102 : 33°C

Trafficguard UR100 Primer: 39°C

For additional information see relevant Material Safety Data Sheet.

* Denotes the trademark of Fosroc International Limited

† See separate data sheet