



Fosroc Trafficguard UR200

Skid resistant, waterproof flexible protection system for car park decks

Uses

Trafficguard UR200 is a modified polyurethane based traffic deck system designed to provide an added level of protection to, new and existing trafficked areas such as:

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

Advantages

- UV Resistant (when Trafficguard Wear Course is used)
- Flexible and tear resistant
- Multi-purpose
- Seamless and waterproof
- Rapid application, reliable and safe
- Available in a range of colours

Standard Compliance

- Standard specification for high-solids content, cold liquid-applied elastomeric waterproofing membrane with Integral wearing surface in accordance to ASTM C957
- Fire rated - class A in accordance to ASTM E108

Description

Trafficguard UR200 is a multi-layer deck protection system comprising a primer, waterproof membrane and protective top coat or wear course in case UV resistance is required. All components are applied in the liquid phase and react chemically to form a tough, flexible, and waterproof 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.

Typical Properties

Membrane	
Elongation (ASTM D412)	: > 100%
Tensile Strength (ASTM D412)	: 6 N/mm ²
Tear Resistance (ASTM D624)	: 26 N/mm
Crack Bridging ability (ASTMC1305)	: Pass

Wear Course

Appearance	: Gloss finish
Weathering (30 days) (ASTM G154)	: No change original appearance
Corrosion resistance (ASTM B117)	: No change original appearance
Humidity resistance (Water fog exposure)	: No change original appearance

Top Coat

Appearance	: Matte finish
Elongation (ASTM D412)	: > 200%
Tensile Strength (ASTM D412)	: 9 N/mm ²
Tear Resistance (ASTM D624)	: 25 N/mm
Crack Bridging ability (ASTMC1305)	: Pass

Chemical Resistance

Trafficguard UR200 is resistant to a range of chemicals including:

- Petrol, Engine Oil, Jet fuel, Brake fluid, Mineral spirit
- Diesel, Medium concentration acids
- Detergents etc.

For full details contact your local Fosroc office.

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 TC2000. Refer to method statement for more details related to surface preparation.

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

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Priming

Apply Trafficguard Primer to the prepared surface at a wet film thickness of 200 microns.

Whilst Trafficguard Primer is still wet, seed with Fosroc Anti Slip Grain No. 3 at a rate of 0.5kg/m² and allow to cure for 24 hours.

Application

Membrane

Apply Trafficguard Membrane to the primer surface at a wet film thickness of 500 microns. For best results Trafficguard Membrane should be applied with a notched trowel or squeegee. Whilst Trafficguard Membrane is still wet, seed with Fosroc Anti Slip Grain No.2 or No.3 (depends on the texture required) at a rate of 2 to 3 kg/m² and allow to cure for 16 hours at 25°C.

Top Coat

Apply Trafficguard Top Coat to the Membrane Coat at a wet film thickness of 100 - 200 microns per coat for parking and thoroughfare; 500 microns for ramps. 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.

In case Trafficguard Wear Course is required; same procedure and application thickness of Trafficguard Top coat should be followed.

Cleaning

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

Estimating

Supply

Trafficguard Primer	: 4 & 9 litre packs
Trafficguard Membrane	: 8 litre packs
Trafficguard Top Coat	: 18 litre packs
Trafficguard Wear Course	: 20 litre packs
Antislip Grains No. 2, 3	: 25 kg bags
TLMP*	: 18 litre pack

Coverage

Trafficguard Primer	: 5 m ² /litre
Trafficguard Membrane	: 2 m ² /litre
Trafficguard Top Coat	: 5 - 10 m ² /litre/coat
Trafficguard Wear Course	: 5 - 10 m ² /litre/coat
TLMP* (2-3 coats recommended)	: 5 m ² /litre/coat

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 UR200 system will have the following shelf life. Avoid storage of material under direct sunlight.

Trafficguard Primer	: 12 months
Trafficguard Membrane	: 6 months
Trafficguard Top Coat	: 6 months
Trafficguard Wear Course	: 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.
- In external areas or areas exposed to UV, use Trafficguard Wear Course instead of Trafficguard Top Coat.

Precautions

Health and safety

Trafficguard Primer, Membrane, Top Coat, 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.

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Fire

Fosroc Solvent 102, Trafficguard Primer, Trafficguard Membrane Coat, Trafficguard Intermediate Coat, Trafficguard Top Coat, and Trafficguard Wear Course are flammable.

Do not use near a naked flame.

Flash points

Fosroc Solvent 102	: 33°C
Trafficguard Primer	: 27°C
Trafficguard Membrane Coat	: 33°C
Trafficguard Top Coat	: 33°C
Trafficguard Wear Course	: 23°C

For additional information see relevant Material Safety Data Sheet.

* Trafficguard Line Marking Paint



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Important note:

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