

## 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, 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 UR200 is a multi-layer deck protection system comprising a primer, waterproof membrane and UV resistant top coat. All components are applied in the liquid phase and react chemically to form a tough, flexible, protective surface.

### Properties

#### Membrane

<b>Elongation (ASTM D412)</b>	: > 100%
<b>Tensile Strength (ASTM D412)</b>	: 6.0 N/mm <sup>2</sup>
<b>Tear Resistance (ASTM D624)</b>	: 26.0 N/mm
<b>Crack Bridging ability (ASTMC1305)</b>	: Pass

#### Top coat

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

### 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 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/m<sup>2</sup> 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 at a rate of 0.5kg/m<sup>2</sup> 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 300 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\*.

# Fosroc Trafficguard UR200

## Estimating

### Supply

<b>Trafficguard Primer</b>	:	9 litre packs
<b>Trafficguard Membrane</b>	:	8 litre packs
<b>Trafficguard Top Coat</b>	:	18 litre packs
<b>Antislip Grains No. 2, 3</b>	:	25 kg bags
<b>TLMP **</b>	:	18 litre packs

### Coverage

<b>Trafficguard Primer</b>	:	5 ltr/m <sup>2</sup>
<b>Trafficguard Membrane</b>	:	0.5 ltr/m <sup>2</sup>
<b>Trafficguard Top Coat</b>	:	0.3 ltr/m <sup>2</sup>
<b>TLMP**</b>	:	5 m <sup>2</sup> /ltr per coat

### (2-3 coats recommended)

**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 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, 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.

### Fire

Fosroc Solvent 102 and Trafficguard Top Coat are flammable. Do not use near a naked flame.

### Flash points

<b>Fosroc Solvent 102</b>	:	33°C
<b>Trafficguard Top Coat</b>	:	33°C

For additional information see relevant Material Safety Data Sheet.

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet

\*\*Trafficguard Line Marking Paint



## 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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