

Hard wearing, skid resistant, flexible flooring system

Uses

Trafficguard UR150 is a polyurethane 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
- Aircraft hangars
- Transport depots; e.g. bus, coach, taxis etc.
- Service centres, garages
- Workshops

Advantages

- Flexible and bridges dynamic cracks
- Suitable for all zones in a car park
- Seamless and watertight
- Rapid application, reliable and safe
- UV resistant
- Available in a range of colours

Description

Trafficguard UR150 is a multi-layer flooring system comprising a primer, flexible membrane and wear course. All components are applied in the liquid phase and react chemically to form a tough, flexible, waterproof protective surface.

Properties

Intermediate Coat

Elongation (ASTM D412)	: > 300%
Tensile Strength (ASTM D412)	: 4 N/mm ²
Tear Resistance (ASTM D624)	: 15 N/mm
Crack Bridging ability (ASTMC1305)	: Pass

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

Chemical Resistance

Trafficguard UR150 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 capillary, free from laitance, oil and grease, curing compounds or other surface contaminants which may prevent full and proper adhesion of the primer. All blowholes, and other surface undulations should be repaired using an appropriate Fosroc product.

Fosroc Trafficguard UR150

Application

Primer

Apply Trafficguard Primer to the prepared surface at an application rate in the range of 0.2 to 0.3 ltr/m². Quantity will depend on surface texture and porosity. General recommendation which will vary according to the project is a coverage rate of 0.2 ltr/m² for parking and thoroughfare; 0.3 ltr/m² for ramps.

Whilst Trafficguard Primer is still wet, blind with Anti Slip Grain No. 2 at an estimated rate of between 0.4 - 0.8 kg/m², leave to dry for 16 hours @ 35°C. Prior to the removal of excess antislip grain ensure that the grains are firmly embedded in the primer.

Intermediate Coat

Apply Trafficguard Intermediate Coat to the primed surface at an application rate of 0.2 to 0.5 ltr/m² per coat. For best results the Intermediate Coat should be applied with a short haired lambswool roller.

Wear Course

Apply Trafficguard Wear Course to the Intermediate Coat at an application rate of 0.1 - 0.2 ltr/m² (100 - 200microns wft) per coat.

Prior to trafficking allow the following cure periods:

Foot traffic : 24 hrs @ 25°C or 18 hrs @ 35°C
Vehicle traffic : 5 days @ 25°C or 72 hrs at 35°C

Traffic marking lines may be applied using Trafficguard Line Marking Paint (TLMP) after five days from time of application.

Cleaning

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

Estimating

Supply

Trafficguard Primer	: 9 litre packs
Intermediate Coat	: 18 litre packs
Wear course	: 20 litre packs
Antislip Grains No. 2	: 25 kg bags
TLMP **	: 18 litre packs

Coverage

Primer	: 0.2 - 0.3 ltr/m ²
Antislip Grain No. 2	: 0.4 - 0.8 kg/m ²
Intermediate Coat	: 0.2 - 0.5 ltr/m ² /coat
Wear course	: ~0.2 ltr/m ² /coat
TLMP	: 5 m ² /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. It is strongly advised that trials are conducted to establish coverage rates.

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.

Storage

Shelf life

When stored in warehouse conditions at less than 25°C, Trafficguard UR150 will have a shelf life of 12 months. Avoid storage of material under direct sunlight.



Fosroc Trafficguard UR150

Limitations

- Trafficguard UR150 should not be applied on to surfaces which are known to or likely to suffer from rising damp or have a relative humidity greater than 80% as measured in accordance with BS8203 Appendix A or by Hammond concrete/mortar moisture tester type COCO.
- In conditions of high relative humidity i.e. 85-90%, good ventilation conditions are essential. Substrate temperature should be atleast 3°C above dew point.
- Do not proceed with application if precipitation is imminent, or temperatures are expected to drop below 7°C within 24 hours of application.
- Membrane is optional in Driveways and Parking areas. But it is mandatory in Ramps and Exposed areas.

High temperature working

It is suggested that, for temperatures above 35°C, the following guidelines are adopted as good working practice:

- (i) Store material in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- (ii) Keep equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come in direct contact with the material itself.
- (iii) Try to eliminate application during the hottest times of the day.
- (iv) Make sufficient material, plant and labour available to ensure that the application is a continuous process.

Precautions

Health and safety

Trafficguard Primer, 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.

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 Intermediate Coat are flammable. Do not use near a naked flame.

Flash points

Fosroc Solvent 102	:	33°C
Trafficguard Intermediate Coat	:	33°C

Fosroc Trafficguard UR150

Additional Information

Fosroc manufactures a wide range of complementary products which include :

- waterproofing membranes & waterstops
- joint sealants & filler boards
- cementitious & epoxy 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.

* 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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