

Fosroc Trafficguard UR150

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 waterproof
- Rapid application, reliable and safe
- UV resistant
- Available in a range of colours

Standard Compliance

Trafficguard UR150 was generally tested in line with ASTM-C957-15 against the following standards:

ASTM C1305: Low temperature crack bridging - No cracks observed

ASTM C794: Adhesion in peel after water immersion

ASTM D471: Chemical resistance

ASTM D412: Tensile strength & Elongation

Description

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

Intermediate Coat

Elongation (ASTM D412)	: >300%
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Tensile strength (ASTM D412)	: 4 N/mm ²
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Tear resistance (ASTM D624)	: 15 N/mm
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Crack bridging ability (ASTM C1305)	: Pass
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Wear Course

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

Priming

Fosroc Trafficguard UR150

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. 2 or 3 (depends on the texture required) at a rate of 2 to 3 kg/m² and allow to cure for 24 hours.

Application

Intermediate Coat

Apply Trafficguard Intermediate Coat to the primed surface 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. Short haired lambswool roller can be used for low application thicknesses. Allow to cure for 16 hours at 25°C.

Wear Course

Apply Trafficguard Wear Course to the Intermediate coat at wet film thickness of 100-200 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.

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	: 4 & 9 litre packs
Trafficguard Intermediate Coat	: 18 litre packs
Trafficguard Wear Course	: 20 litre packs
Anti-slip Grains No. 2, 3	: 25 kg bags
TLMP *	: 18 litre pack

Coverage

Trafficguard Primer	: 5 m ² /litre
Trafficguard Intermediate Coat	: 2 - 5 m ² /litre
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. It is strongly advised that trials are conducted to establish coverage rates.

Storage

Shelf life

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

Trafficguard Primer	: 12 months
Trafficguard Intermediate Coat	: 6 months
Trafficguard Wear course	: 12 months

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 at least 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:

- Store material in a cool (preferably temperature controlled) environment, avoiding exposure to direct sunlight.
- 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.
- Try to eliminate application during the hottest times of the day.
- Make sufficient material, plant and labour available to ensure that the application is a continuous process.



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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 Anti-paint 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, Trafficguard Primer, Trafficguard Membrane Coat, Trafficguard Intermediate Coat, Trafficguard Top Coat, and Trafficguard Wear Course are flammable.

Flash points

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

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.

* Trafficguard Line Marking Paint



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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 Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of 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 of information given by it.

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