

Trafficguard UR150

Hard wearing, skid resistant, flexible Polyurethane based car park flooring.

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 hangers
- 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

Description

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

Properties

Abrasion Resistance (ASTM D4060) by CS17 Wheel-1000 cycle	0.042mg/cycle
Fire Resistance (ASTM D635)	Resistant
Pull Off Test (ASTM D4541)	>2MPa (Post Fog Exposure) >2.2Mpa(Post UV Exposure)
Chemical Resistance (ASTM D1308)	
Sodium Hydroxide 25%	Resistant
Petrol	Resistant
Diesel	Resistant
Engine Oil	Resistant
Antifreeze Coolant	Resistant
Kerosene	Resistant
Brake Fluid	Resistant
Saturated Salt Solution	Resistant
UV Resistance (ASTM G53)	Resistant (Non yellowing)

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..

Application

Primer

Apply Nitoprime 31 / Nitoprime 25 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 Primer is still wet, blind with Anti Slip Grain No. 2 at an estimated rate of between 0.4 - 0.6 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

A TrafficGuard Intermediate coat to be applied over the primed and sand sprinkled surface, when the primer is fully dried up. For best result, Nitoflor Filler to be added to Nitoflor Intermediate coat and to be mixed homogeneously and to be applied by trowel or roller as per the coverage required to built up the required thickness from 0.7mm to 1.5mm at covered places.

Wear Course

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

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 @ 35°C

Traffic marking lines may be applied after 2 days from time of application.

Cleaning

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

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Estimating

Supply

Primer	: 4 litre packs
Intermediate coat	: 18 litre packs
Wear course	: 20 litre packs
Antisip Grains No.2	: 25 litre packs
Nitoflor Filler	: 14 kg pack
Coverage	
Primer	: 0.2 - 0.3 ltr/m ²
Antisip Grain 2	: 0.4 - 0.8 kg/m ²
Intermediate coat	: 0.75L/sq.m for 1mm thickness 1.05L/sq.m for 1.5mm thickness
Wear Course	: ~0.2 ltr/m ²

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, and 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.

Disposal

All cementitious products and Inert epoxy fillers can be used for landfilling. Any left out of epoxy base and hardener (expired or small bottom quantity) before disposing to empty cans/tins/pail buckets, take out the material and mix both base and hardener, make it solid and then dispose through authorized PCB vendor. Used empty epoxy Base & Hardener pail buckets/Tins, (Ensure completely drained out the material) dispose through approved vendor only.

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, Nitoprime 30, Intermediate Coat, Wear course, Fosroc Solvent 102 and Nitoflor filler 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



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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 Intermediate Coat and Trafficguard Wear Course are flammable. Do not use near a naked flame

Flash points

Fosroc Solvent 102	:	33°C
Trafficguard wear course	:	23°C
Trafficguard intermediate course	:	23°C

Do's and Don'ts

Do's

- Cleaning regularly with Mop and Soft washing agent or with soft mopping device.
- Trolley and Forklift movement with rubber or Teflon wheel
- All normal activity without any mechanical damage of the floor.
- Consult with manufacturer if any cut to be made over the floor
- Clean the floor immediately, if any strong chemical or hot liquid fall on the floor.

Don'ts

- Use any Harsh chemicals, acid base or any cleaning solution without confirming the manufacturer
- Dragging of sharp, heavy object and trolley with metal wheel
- Allow any Impact with heavy object on the floor
- Carry out any hot activity like welding or with any activity which create fire
- Drill or core cutting without confirmation from manufacturer
- Make it expose to high temperature > 60°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. Berger 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 our local Fosroc office - as below.



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