

**Skid resistant, hardwearing, flexible, waterproof protection for car parks**

## Uses

Trafficguard Glassflake traffic deck system is designed to provide an added level of protection to, new and existing, heavily trafficked areas such as:

- Car parks decks/ramps
- Parking bays
- Entrance/exit areas
- Pedestrian walkways
- Turning areas

## Advantages

- Flexible and tear resistant
- Hygienic
- Skid resistant
- Waterproof
- UV Resistant
- Chemical Resistant
- Resistant to salt spray

## Description

Trafficguard Glassflake is a multi-layer deck protection system based on a combination of epoxy primer, reinforced glass flake membrane (functional layer) and aliphatic polyurethane UV resistant wearing 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 full technical support package to specifiers, end users and contractors, as well as on-site assistance in locations all over the world.

## Properties

<b>Tear Resistance</b> (ASTM D624)	: 28 N/mm
<b>Full Cure</b> (ASTM D1640)	7days @ 23°C 4days @ 35°C
<b>Water Permeability</b> (DIN 1048)	: Nil
<b>Salt Spray</b> (ASTM B117)	: Intact
<b>UV Resistance</b> (ASTM G53)	: No discolouration
<b>Shore A Hardness</b> (ASTM D2240)	: 85 - 90
<b>Impact Resistance</b> (ISO 6272)	Passed - No cracking or debonding
<b>Adhesion strength</b> (BS1881, Pt 207)	Greater than the cohesive strength of concrete
<b>Flame spread</b> (ASTM D635)	Self extinguishing. Does not support the spread of flame
<b>Chemical Resistance</b>	Excellent resistance to <ul style="list-style-type: none"> <li>- Petrol</li> <li>- Diesel</li> <li>- Engine Oil</li> <li>- Anti freeze coolant</li> <li>- Kerosene</li> <li>- Brake fluid</li> <li>- Salt solution (saturated)</li> <li>- Sodium hydroxide (25%)</li> </ul>

## 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 & 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.

In case an antislip finish is required: whilst Trafficguard Primer is still wet, seed with Fosroc Anti Slip Grain No. 3 at a rate of 0.4 kg / m<sup>2</sup> and allow to cure for 15 - 20 hours.

# Fosroc Trafficguard Glassflake

## Application

### Membrane Coat

Apply Trafficguard Glassflake Membrane Coat to the primed surface at a wet film thickness of 375 microns. For best results the Trafficguard Glassflake Membrane Coat should be applied with a notched trowel or squeegee.

In case an antislip finish is required: whilst the base coat is still wet seed with Fosroc Anti Slip Grain No. 1200 at a rate of 0.4 kg / m<sup>2</sup>. Allow to cure for 12 hours prior to applying the wear course.

### Wear Course

Apply Trafficguard Wear Course to the Membrane coat at a wet film thickness of 140 microns. Allow to cure for 3 days prior to trafficking (@35°C). In case of internal application; apply Trafficguard GF- WCI and for external application; apply Trafficguard WC.

## Cleaning

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

## Estimating

### Supply

Trafficguard Primer	: 9 litre packs
Trafficguard Glassflake Membrane Coat	: 20 litre packs
Antislip Grains No. 1200, 3	: 25 kg bags
Trafficguard GF-WCI	: 18 Ltr/pack
Trafficguard Wear course	: 20 Ltr/Pack

### Coverage

Trafficguard Primer	: 3.5 - 5.0 m <sup>2</sup> /litre
Trafficguard Glassflake Membrane Coat	: 2.7 m <sup>2</sup> /litre
Antislip Grains No. 1200, 3	: 0.4 kg / m <sup>2</sup>
Trafficguard GF-WCI	: 7m <sup>2</sup> /Ltr @ 140 micron WFT/ one coat
Trafficguard Wear course	: 5 - 7 m <sup>2</sup> / Ltr /per coat

**Note:** The above coverage rates are given for guidance only as actual quantities used will vary depending upon the nature of substrate, site conditions and use of Antislip grains.



## Al Gurg Fosroc LLC

Post Box 657, Dubai  
United Arab Emirates

[www.fosroc.com](http://www.fosroc.com)

## 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.**

### Head Office

telephone: (+9714) 2039699

fax: (+9714) 2859649

email: [agf@fosroc.com](mailto:agf@fosroc.com)

### Regional offices

Abu Dhabi, Al Gurg Fosroc  
Bahrain, YBA Kanoo  
Kuwait, Boodai  
Oman, Al Amana  
Qatar, Tadmur

telephone: 673 1779  
telephone: 17738200  
telephone: 4817618  
telephone: 24815080  
telephone: 4432365

fax: 673 1449  
fax: 17732828  
fax: 4832124  
fax: 24817554  
fax: 4419517

email: [abudhabi@fosroc.com](mailto:abudhabi@fosroc.com)  
email: [bahrain@fosroc.com](mailto:bahrain@fosroc.com)  
email: [kuwait@fosroc.com](mailto:kuwait@fosroc.com)  
email: [oman@fosroc.com](mailto:oman@fosroc.com)  
email: [qatar@fosroc.com](mailto:qatar@fosroc.com)

## Storage - Shelf life

When stored in warehouse conditions at less than 25°C, Trafficguard Glassflake will have a shelf life of 12 months.

## Limitations

- Do not proceed with application if precipitation is imminent, temperatures are expected to drop below 7°C within 24 hours of application.
- Trafficguard Glassflake should not be applied onto substrate known to suffer from rising dampness or have a R.H. greater than 75% as measured in accordance with BS 8203 Appendix A or have a moisture content greater than 5% as measured by a Hammond concrete/mortar moisture tester type COCO.
- Do not proceed with application if an osmotic condition is known or is suspected to exist.

## Precautions

### Health and safety

Trafficguard Glassflake Primer, Membrane Coat, Wear 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. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams such as Kerodex Antisolvent or Rozalex Antipaint provide additional skin protection. 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 Glassflake Membrane Coat are flammable. Do not use near a naked flame.

### Flash points

Fosroc Solvent 102	: 33°C
Trafficguard Glassflake Membrane	: 59°C
Trafficguard Wear course	: 23°C

\* Denotes the trademark of Fosroc International Limited

† See separate data sheet

