

# Griptop<sup>®</sup> UVR Seal

Glossy, UV resistant polyurethane sealer



## DESCRIPTION

Griptop UVR Seal is a non-yellowing, two-component, flexible polyurethane sealer designed to protect and seal Cemflow, Strongcoat and Griptop flooring systems from DCP.

Griptop UVR Seal cures to provide a seamless, hardwearing, tough and resilient coating that is suitable for the protection of concrete floors subject to medium duty traffic such as regular foot traffic, frequent fork lift truck traffic, occasional hard plastic-wheeled trolleys.

Griptop UVR Seal can be applied to concrete surfaces, polymer modified cementitious screeds, epoxy and polyurethane flooring systems, steel, and some asphaltic surfaces, providing a hygienic and durable floor.

The application of Griptop UVR Seal helps to protect the floor surface and ease maintenance by reducing the adhesion of dirt and other debris, whilst eliminating dusting.

## APPLICATIONS

Griptop UVR Seal is designed to seal a variety of Cemflow, Strongcoat and Griptop flooring systems, as well as screeds in the following:

- » Retail spaces such as stores and showrooms.
- » Health care facilities such as hospitals and clinics.
- » Business facilities such as offices and lobbies.
- » Museums, theatres and shopping malls.
- » Educational premises such as universities, schools and colleges.
- » Industrial facilities such as warehouses, production, maintenance and assembly areas.

## ADVANTAGES

- » Easy to apply.
- » Excellent UV stability, non-yellowing.
- » Provides a seamless glossy finish.
- » Hygienic, easy to clean and maintain.
- » Hardwearing, tough and resilient.
- » Excellent resistance to dust and dirt pick up.
- » Low odour.
- » Resistant to occasional spillages up to 40°C.

## STANDARDS

Griptop UVR Seal complies with BS 8204-6, Type 3.

## TECHNICAL PROPERTIES:

|                          |                                |
|--------------------------|--------------------------------|
| Colour:                  | Available in different colours |
| Appearance:              | Glossy finish                  |
| Mixed density:           | 1.60 ± 0.05 g/cm <sup>3</sup>  |
| Working time:            | 20 min @ 20°C                  |
| Light foot traffic time: | After 16 hr @ 20°C             |
| Full cure:               | After 7 days @ 20°C            |
| UV resistance:           | Excellent                      |
| Application temperature: | 15 to 25°C                     |
| Thickness:               | Up to 0.5 mm from two coats    |

## METHOD OF USE

### SUBSTRATE PREPARATION

#### *Absorbent surfaces (cementitious screeds)*

Surfaces to be sealed must be clean, dry and free from dust, debris or other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment such as grinding or light vacuum contained shot-blasting.

Concrete should have a maximum relative humidity of 75%, relative humidity can be measured using a hygrometer. The substrate and uncured floor must be kept at least 3°C above the dew point from before priming to at least 48 hours after application; to reduce the risk of condensation or blooming on the surface.

#### *Old or existing non-absorbent surfaces*

These include existing epoxy or polyurethane coatings. The existing surface must be clean, dry and free from dust, debris or other contaminants. Make sure the existing flooring system is intact and properly bonded to the substrate before the application of Griptop UVR Seal.

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## PRIMING

Griptop UVR Seal is designed to be used without a primer. However, for highly porous substrates, a primer may be required. Consult DCP's technical Department for specific recommendations.

## MIXING

To avoid inconsistent workability and pot life, make sure that the materials to be used are stored in shaded area and protected from extremes of temperatures.

Prior to mixing, the temperature of the two components must be between 15°C and 25°C. Localised heating or cooling equipment may be required outside this range otherwise the surface finish may be impaired.

Add the entire contents of the hardener component to the coloured resin component pack and mix thoroughly using a low speed electric mixer (300 - 400 rpm) for at least 3 minutes until a homogeneous mix and uniform colour is achieved. Transfer the mixed material to a second mixing vessel and mix as above for a further minute.

### Notes:

- » *Keep the mixing paddle fully submerged to avoid the entrapment of air.*
- » *Scrape the sides and bottom of the vessel several times.*

## APPLICATION

Mixed Griptop UVR Seal may be applied using a medium pile roller to completely cover and seal the prepared surface.

Plan the work area to ensure a constant wet edge and work within the working time of the material. Griptop UVR Seal should be applied in two coats at a rate of approximately 2.5 m<sup>2</sup>/kg per coat.

When applying a second coat of Griptop UVR Seal, it is recommended that this be applied at an angle of 90 degrees to the first coat to ensure complete coverage. The second coat may be applied as soon as the first coat has initially dried.

## WORKING CONDITIONS

- » Surface and ambient temperature during coating applications should be between 15 and 25°C.
- » Material temperatures should be at least 15°C and rising. It is recommended to precondition material for at least 24 hours at temperatures between 15 and 25°C.
- » Do not proceed with the application if atmospheric relative humidity is, or is anticipated to be, > 75% or if the surface temperature is < 3°C above the dew point.

## LIMITATIONS

- » After application, the surface should be protected from direct contact with water for at least 24 - 48 hours.
- » Application should not commence when the substrate temperature or the ambient temperature is or is anticipated to be < 12°C during the application or within the curing period.
- » Avoid condensation by ensuring that the substrate temperature is at least 3°C above the measured dew point. Keep in mind that the substrate temperature may be lower than the ambient temperature.
- » Griptop UVR Seal reacts with water causing foaming. During application, take care that no water or sweat drops fall into the uncured material. Wear head and wristbands during application.

## CLEANING

Once mixing, application and finishing are complete, tools can be cleaned with warm soapy water.

## PACKAGING

Griptop UVR Seal is available in 5 kg and 10 kg kits.

## COVERAGE

The typical coverage of Griptop UVR Seal is approximately 0.4 kg/m<sup>2</sup> per coat to achieve a dry film thickness between 250 microns per coat. Two coats are required, typically 250 microns per coat.

*Note: Coverage rates are approximate and will vary according to the wastage factors and the type, condition, profile, and porosity of the substrate.*

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## **STORAGE**

Griptop UVR Seal has a shelf life of 6 months from date of manufacture if stored off the ground in un-opened packs and under cover at temperatures between 10°C and 30°C in a dry store, out of direct sunlight. Protect from frost.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

## **CAUTIONS**

### **HEALTH AND SAFETY**

Care should be taken during use and storage to avoid contact with skin, eyes and mouth.

Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

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- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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**Note:**

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