

Gripdeck® HB UVR

Aliphatic polyurethane-based sealer for vehicle decking systems



DESCRIPTION

Gripdeck HB UVR is a two-component, flexible polyurethane sealer that provides UV resistance, making it suitable for both indoor and outdoor vehicle decking systems. It cures to form a seamless, durable, and resilient semi-gloss coating that is designed to provide effective protection and sealing for car park surfaces.

APPLICATIONS

Gripdeck HB UVR is primarily used as a UV-resistant topcoat within the Gripdeck Vehicle Decking Systems range. Gripdeck HB UVR is designed for application in different areas of car parks, such as:

- » Ramps and turning circles.
- » Traffic aisles and parking bays.
- » Pedestrian walkways.

ADVANTAGES

- » Easy to apply.
- » Excellent UV stability, non-yellowing.
- » 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.

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.

TECHNICAL PROPERTIES:

Colour:	Light grey and mid grey
Mixed density:	1.35 ± 0.05 g/cm ³
Pot life:	30 - 50 min @ 25°C
Light foot traffic time:	24 hr @ 20°C
Full cure:	7 days @ 20°C
Tensile strength: ASTM D412	≥ 2 N/mm ²
Shore A hardness: ASTM D2240	80 ± 5
Shore D hardness: ASTM D2240	30 ± 5
Tear strength: ASTM D624	> 5 kN/m
Adhesion on concrete: ASTM D4541	> 1.5 N/mm ²
Impact resistance: ISO 6272	3 N.m
Elongation at break: ASTM D412	≥ 25%
Abrasion resistance: ASTM D4060 (1000 g, 1000 cycle) CS-17 Wheel	< 260 mg

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 Gripdeck HB UVR.

PRIMING

Gripdeck HB UVR has excellent adhesion to concrete and priming is not normally necessary. If the substrate is particularly porous, a priming coat of Strongcoat Primer is recommended.

If the substrate has a humidity reading of greater than 75%, it is recommended that Strongcoat DPM be used prior to priming with Strongcoat Primer (please consult the appropriate data sheets).

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MIXING

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 Gripdeck HB UVR 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.

Gripdeck HB UVR should be applied in two coats. When applying a second coat of Gripdeck HB UVR, 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.

REMARKS

- » 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.
- » 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.

OCCASIONAL SPILLAGE

Chemical Resistance after full cure (7 days @ 25°C), ASTM D1308 (spot test @ 1 hr)

Inorganic Bases

Sodium Hydroxide 50% R

Solvents

White Spirit R

Xylene NR

Benzyl Alcohol NR

Brake fluid R

Oils & Fuels

Diesel R

Engine Oil R

Kerosene R

Inorganic Acids

Hydrochloric Acid 10% R

Nitric Acid 25% RS

Phosphoric Acid 20% R

Sulphuric Acid 25% R

Cleaning Agents

Detergents & Soaps R

R: Resistant

RS: Resistant with slight discolouration

NR: Not resistant

- » 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.
- » Gripdeck HB UVR 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.

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CLEANING

Once mixing, application and finishing are complete, tools can be cleaned with a suitable solvent.

PACKAGING

Gripdeck HB UVR is available in 20 kg kits.

COVERAGE

The typical coverage of Gripdeck HB UVR is approximately 0.27 kg/m² per coat, achieving a dry film thickness of 200 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.

STORAGE

Gripdeck HB UVR has a shelf life of 12 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, contact DCP Technical Department for advice.

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.
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- » Tile adhesives and grouts.
- » Building products.
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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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