

Gripdeck® HB

High build, flexible polyurethane floor coating for vehicle decking systems



DESCRIPTION

Gripdeck HB is a two-pack, solvent-free polyurethane-based, high-build glossy coating primarily designed for use in areas subjected to traffic. It provides excellent resistance to abrasion, wear and chemical attacks. Gripdeck HB is available in a variety of colours and slip-resistant finishes.

APPLICATIONS

Gripdeck HB is designed for application in different areas of car parks, such as:

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

ADVANTAGES

- » Provides hygienic floor.
- » Easy to clean.
- » Hard wearing and good impact resistance.
- » Can be applied in slip resistant finishes.
- » High build.
- » Available in a wide range of attractive colours.

METHOD OF USE

SURFACE PREPARATION

The surface must be clean, dry (less than 75% RH measured by Hygrometer) and free from dust, laitance, oils, paints or other forms of contamination. Grit blasting can be used to remove laitance and surface contamination. For treatment of surfaces containing expansion joints please consult our Technical Department.

PRIMING

Gripdeck HB 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 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).

TECHNICAL PROPERTIES:

Mixed density:	1.4 ± 0.1 g/cm ³ @ 23°C
Pot life:	20 - 40 min @ 23°C
Elongation at break: ASTM D412	≥ 85%
Tensile strength: ASTM D412	≥ 3.5 N/mm ²
Bond strength: ASTM D4541	≥ 2 N/mm ² (concrete failure)
Tear strength: ASTM D624	≥ 10 kN/m
Shore A hardness: ASTM D2240	77 ± 5
Shore D hardness: ASTM D2240	35 ± 5
Taber Abrasion: ASTM D4060 (1000 g, 1000 cycle) CS-17 Wheel	< 90 milligram
Impact resistance: ISO 6272-1	4 N.m

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Gripdeck HB Part B container into the Part A container and, using a Jiffy-type mixer attached to a slow running electric drill, mix for approximately two minutes.

Important: Never mix Gripdeck HB by hand as this could lead to areas of uncured material.

APPLICATION

Once mixing is complete, transfer the Gripdeck HB to a roller tray, and using a medium-pile simulated sheepskin roller, apply two coats evenly over the surface.

Note: Gripdeck HB is not colour stable and may discolour on ageing and exposure to UV light, especially with light colours. This will not adversely affect the performance of the product.

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SLIP RESISTANT FINISHES

Whilst the Gripdeck HB is still wet, completely blind it with an appropriate grade of Aggregate (consult our Technical Department for details of Aggregate grades).

Allow the Gripdeck HB to cure for the specified time then vacuum off the excess aggregate. The bound aggregate is then sealed with a further coat of Gripdeck HB.

Important: The coverage rate of Gripdeck HB will be considerably reduced when using it to seal Aggregates.

WORKING TIME

Gripdeck HB has a working time of approximately 25 minutes at 20°C.

Important: Never leave the mixed Gripdeck HB kit to stand for any length of time prior to application as this will considerably shorten its working time.

CURING TIME

At 20°C, Gripdeck HB should be allowed to cure for 24 hours prior to opening it to pedestrian traffic.

At the same temperature, Gripdeck HB should be allowed to cure for approximately three days prior to opening it to vehicular traffic or exposing it to chemical contamination (consult our Technical Department for details of curing times at other temperatures).

OVERCOATING

The second coat of Gripdeck HB must be applied no later than 24 hours at 20°C after the first coat has cured. Additionally, the first coat of Gripdeck HB must not be contaminated prior to applying the second coat.

PRECAUTIONS

- » Surface and ambient, and material temperature should be between 10°C and 30°C.
- » Material temperatures should be at least 10°C and rising. It is recommended to precondition materials for at least 24 hours at temperatures between 20°C and 30°C.
- » Protect from frost.
- » Low temperatures will increase curing time.
- » Atmospheric relative humidity should be below 75%. High humidity can negatively impact the final finish.

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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

CLEANING

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

PACKAGING

Gripdeck HB is available in 5 and 10 kg kits.

COVERAGE

Approximately 0.27 kg/m² per coat at 200 microns per coat.

Important: This coverage figure is based on application to a smooth, dense surface. Coverage figures will vary according to the texture, porosity and evenness of the surface on which the Gripdeck HB is being applied.

STORAGE

Store in a dry area out of direct sunlight at temperatures between 10°C and 30°C.

SHELF LIFE

Gripdeck HB has a shelf life of 12 months from date of manufacture if stored in unopened containers and under good conditions.

If these conditions are exceeded, contact DCP Technical Department for advice.

HEALTH AND SAFETY

Gripdeck HB should not come into contact with skin and eyes. In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

For further information, refer to the Material Safety Data Sheet.



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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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