

# Griptop HB

High build, flexible polyurethane floor coating



## DESCRIPTION

Griptop HB is a two-pack solvent free polyurethane based high build coating that provides floor surfaces with a seamless, hygienic and cosmetically attractive finish. Griptop HB can be supplied in a variety of colours (consult our Sales Department for further details) and slip resistant finishes can be produced for very demanding situations.

## APPLICATIONS

Griptop HB is designed for application by brush or roller onto concrete floors exposed to moderate levels of wear, such as consistent pedestrian movement and regular forklift truck activity. It is also used in hygienic environments like food processing units, poultry facilities, and cold storage areas, as well as medical settings including hospitals, clinics, and laboratories. It is also suitable for car parks, ramps, and enhancing the appearance of floors in retail spaces.

## 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

Griptop 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).

### MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Griptop 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.

## TECHNICAL PROPERTIES:

Mixed density:	1.4 ± 0.1 g/cm <sup>3</sup> @ 23°C
Pot life:	45 min @ 23°C
Elongation at break: ASTM D412	≥ 85%
Tensile strength: ASTM D412	≥ 3.5 MPa
Tear strength: ASTM D412	≥ 10 kN/m
Shore A hardness: ASTM D2240	77 ± 5
Shore D hardness: ASTM D2240	35 ± 5
Impact resistance: ISO 6272-1	10 N.m

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

## APPLICATION

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

*Note: Griptop 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.*

## SLIP RESISTANT FINISHES

Whilst the Griptop HB is still wet, completely blind it with an appropriate grade of Aggregate (consult our Technical Department for details of Aggregate grades). Allow the Griptop HB to cure for the specified time then vacuum off the excess aggregate. The bound aggregate is then sealed with a further coat of Griptop HB.

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

## WORKING TIME

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

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

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## CURING TIME

At 20°C, Griptop HB should be allowed to cure for 24 hours prior to opening it to pedestrian traffic. At the same temperature, Griptop 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 Griptop HB must be applied no later than 24 hours at 20°C after the first coat has cured. Additionally, the first coat of Griptop 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.

## CLEANING

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

## PACKAGING

Griptop HB is available in 5 kg kits.

## COVERAGE

Approximately 0.27 kg/m<sup>2</sup> 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 Griptop HB is being applied.*

## STORAGE

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

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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 SS

### Oils & Fuels

Benzyl Alcohol SS

### Inorganic Acids

Phosphoric Acid (25%) R

Hydrochloric Acid (10%) R

Nitric Acid (25%) RS

*R: Resistant*

*RS: Resistant with slight discolouration*

*SS: Slight softening*

## SHELF LIFE

Griptop 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, DCP Technical Department should be contacted for advice.

## HEALTH AND SAFETY

Consult the appropriate Material Safety Data Sheet prior to using each product.

## MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

### 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.