

# Griptop® Comfort Flexcoat

Self-smoothing, tough elastic floor coating for commercial and industrial applications



## DESCRIPTION

Griptop Comfort Flexcoat is a two-component, solvent-free, polyurethane-based flexible floor topping that provides a seamless, hygienic, semi-gloss finish. Designed for exceptional comfort and cushioning underfoot, it is part of the Griptop Comfort system.

Griptop Comfort Flexcoat serves as a flexible floor coating that enhances the surface's elasticity and resilience. To achieve the best performance and durability, it requires an additional layer of Griptop Comfort Topcoat, which provides added protection and a refined finish.

## APPLICATIONS

Griptop Comfort Flexcoat serves as a durable and elastic smooth system that is particularly suitable for a wide range of indoor applications that require enhanced comfort underfoot or experience light-to-medium industrial wear such as:

- » Hospitals.
- » Schools.
- » Retail spaces.
- » Showrooms.
- » Workshops.
- » Warehouses.

## ADVANTAGES

- » Solvent free.
- » Fast application, self-smoothing.
- » Easy to clean.
- » Provides seamless hygienic floor.
- » Excellent adhesion to concrete.
- » Flexible.

## METHOD OF USE

### SUBSTRATE PREPARATION

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Concrete floors must be a minimum of 28 days old and have a minimum compressive strength of 25 N/mm<sup>2</sup>, a minimum pull-off strength of 1.5 N/mm<sup>2</sup>, and a maximum moisture content of 4%.

## TECHNICAL PROPERTIES:

Colour:	Available in various colours
Mixed density:	1.41 ± 0.01 g/cm <sup>3</sup>
Pot life:	20 - 35 min @ 23°C
Foot traffic:	24 hr @ 10°C 18 hr @ 20°C 16 hr @ 30°C
Full cure:	72 hr @ 10°C 60 hr @ 20°C 24 hr @ 30°C
Overcoating time:	24 - 72 hr @ 10°C 18 - 48 hr @ 20°C 16 - 36 hr @ 30°C
Adhesion to concrete: ASTM D4541	≥ 2 N/mm <sup>2</sup> (concrete failure)
Tensile strength: ASTM D412	≥ 6 N/mm <sup>2</sup>
Elongation at break: ASTM D412	≥ 70%
Tear strength: ASTM D624	≥ 35 kN/m
Shore D hardness: ASTM D2240	60 ± 5
VOC: ASTM D2369	< 5 g/l (comply with LEED)

## SURFACE PREPARATION

Surfaces should be prepared by mechanical means using vacuum enclosed abrasive blast cleaning or diamond grinding equipment, or other suitable removal methods to remove laitance and previous surface treatments followed by thorough vacuuming leaving an open textured surface.

Following the preparation of a concrete surface, care should be taken to ensure that any surface irregularities are filled with a twin pack epoxy putty such as Quickmast 341.

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## PRIMING

For substrates that are particularly porous, a priming coat of Strongcoat Primer is recommended to ensure optimal adhesion. (Refer to Strongcoat Primer Technical Data Sheet for more information).

If the substrate has humidity reading of greater than 75%, it is recommended that Strongcoat DPM be used prior to priming with Strongcoat Primer (Refer to Strongcoat DPM Technical Data Sheet for more information).

## MIXING

Griptop Comfort Flexcoat comprises two components, a base and a hardener, which are supplied pre-weighted in the correct proportions.

Under no circumstances should part mixing be carried out. The contents of each component should be thoroughly stirred separately to disperse any possible settlement.

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the hardener component into the base component.

Using a power whisk attached to a slow speed electric drill, mix for 2 minutes while avoiding air entrainment until uniform colour and consistency are achieved. Scrape down the sides after 2 minutes to ensure that all materials are fully incorporated.

*Note: Never mix Griptop Comfort Flexcoat by hand as this could lead to areas of uncured material.*

## APPLICATION

Griptop Comfort Flexcoat is applied by pouring and spreading it smoothly using a serrated trowel or pin rake. For a self-smoothing system, use a spike roller to roll in two directions, ensuring uniform thickness and releasing any trapped air.

## OVERCOATING

Griptop Comfort Flexcoat should be overcoated with Griptop Comfort Topcoat after 24 hours (Please refer to Griptop Comfort Topcoat Technical Data Sheet for more information).

## LIMITATIONS

- » The ambient temperature of the works area should be a minimum of 10°C during the application and curing period, otherwise, lower ambient temperature can affect the appearance and performance of the system.
- » Materials and substrate temperature must remain above 10°C all times.
- » Protect the floor from damp, condensation and water for at least 24 hours at 20°C before and after installation.
- » Griptop Comfort Flexcoat is not UV stable. Cosmetic yellowing can occur under UV exposure.
- » The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.
- » Products from different batches should not be used in the same area or on surfaces close together, as variations in colour may occur between different batches.

## CLEANING

All tools should be cleaned immediately using a suitable solvent. Hardened material must be cleaned mechanically.

## PACKAGING

Griptop Comfort Flexcoat is available in 20 kg packs.

## COVERAGE

Approximately 2.8 kg/m<sup>2</sup> to achieve 2 mm dry film thickness when applied to a sealed surface.

*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 Griptop Comfort Flexcoat is being applied.*

## STORAGE

Griptop Comfort Flexcoat has a shelf life of 12 months from date of manufacture if stored in dry conditions at temperatures between 5°C and 30°C in original unopened packs. Do not expose the product to freezing conditions.

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



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## **CAUTIONS**

### **HEALTH AND SAFETY**

Griptop Comfort Flexcoat should not come in contact with skin or eyes. Goggles and gloves should be used. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

### **FIRE**

Griptop Comfort Flexcoat is nonflammable.



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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.

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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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