# GRIPDECK WEARCOAT PLUS

## Solvent free flexible polyurethane wear course

TECHNICAL DATA SHEET PUBLISHED FEBRUARY 2015

## PRODUCT DESCRIPTION

**Gripdeck Wearcoat Plus** is a UV stable, two-part, solvent free, flexible polyurethane wearing course formulated for easy application by squeegee, roller or brush.

Gripdeck Wearcoat Plus is designed to give excellent abrasion and non-slip characteristics when combined with **Quartz** or **Gripdeck Aggregate**.

Gripdeck Wearcoat Plus is primarily designed for use in car parks and offers excellent chemical resistance against petrol, battery acids, diesel, brake fluids, de-icing salts, etc. Other applications include showrooms, retail, car dealerships etc.

Gripdeck Wearcoat Plus is specifically formulated for colour stability. It will not discolour on exposure to sunlight or other sources of UV light.

## MATERIALS SUPPLIED

15kg pack size, comprising resin base and hardener components.

## STORAGE

Store under dry warehouse conditions at a temperature between 10°C and 30°C.

## SHELF LIFE

12 months in unopened, undamaged, sealed containers and stored under good conditions.

## COVERAGE

The coverage obtained will vary depending on substrate type and size of Aggregate, if used.

As a guide, the coverage should be a minimum of

0.8kg per m² on a Quartz Aggregate blind.

1.2kg per m² on a Gripdeck Aggregate blind.

0.3kg/m² on to smooth Strongcoat Primer.

## TECHNICAL INFORMATION

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| Working time @ 15°C | 15 min |
| Tack free time @ 15°C | 6 hours |
| Full Cure @ 15°C | 3 days |
| Tensile Strength | 9 N / mm² |
| Hardness (Shore D) | 60 |
| Application Temperature Range (°C) (do not apply if precipitation or condensation is likely to result) | 10 to 30 (do not apply if the ambient or floor temperature is to fall below 10°C during the first 24 hours) |
| Volume solids (%) | 100 |
| EN 13813 Designation | SR-ARO,5-B2,0-IR10 |
| EN 1504-2 Principle | 5 (PR) |
| Abrasion resistance (EN- 13892-4) | ≤ 50 µm |
| Thermal cpmpatability (EN 13687-1&2) | ≥ 1.5N/mm² |
| Capillary absorption (EN 1062-3) | ≤ 0, 1kg.$^{m-2}$.$h^{0.5}$ |
| Crack bridging ability (EN 1062-7; Static) | ≥ 500 µm |
| Impact resistance (EN ISO 6272-1) | ≥ 10 Nm |
| Adhesion by pull-off (EN 1542) | ≥ 2.0 N/mm² |
| Slip/Skid resistance* (EN 13036-4) | ≥ 55 units wet |

* Gripdeck Medium Aggregate Blind

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## MIXING

Gripdeck Wearcoat Plus comprises two components, a Resin Base and Hardener, which are supplied, pre-weighed in the correct proportions. Under no circumstances should part mixing be carried out.

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of both components into a separate mixing container. Using a power whisk attached to a slow speed electric drill, mix for approximately 3 minutes ensuring the mixing head is pushed around the sides and bottom of the mixing container. Transfer the contents into another container, scraping down and re-mixing for a further 2 minutes avoiding the entraining of excessive air until a uniform consistency is obtained.

**Important: Never mix Gripdeck Wearcoat Plus by hand as this could lead to areas of uncured material. Premixing of the resin component will aid mixing**

## PRIMING (Car Parks)

Use Gripdeck Primecoat or Strongcoat DPM (please see appropriate product data sheets for more information).

## PRIMING (Non Car Parks)

Sufaces must be primed with Strongcoat Primer. If the substrate humidity reading is greater than 75% it is recommended that Strongcoat DPM be used prior to primimg with Strongcoat Primer (please consult appropriate data sheets).

## APPLICATION OVER AGGREGATE

On completion of mixing immediately apply the Gripdeck Wearcoat Plus by squeegee followed by a short/medium pile roller at the required rate onto a pre-swept blinded surface.

## APPLICATION ON TO A PRIMED BASE

Once mixing is complete transfer the Gripdeck Wearcoat plus to a roller tray, and using a medium pile simulated sheepskin roller, apply it evenly over the surface.

## CLEANING

Tools should be cleaned with a suitable solvent immediately after use.

## HEALTH & SAFETY

Please consult the appropriate Material Safety Data Sheets prior to using Gripdeck Wearcoat Plus.

## GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

Please consult our Sales Department to confirm this data sheet is the current issue.

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