

STRONGCOAT HB PE

High-build epoxy floor coating



TECHNICAL DATA SHEET PUBLISHED JULY 2014

PRODUCT FEATURES

Strongcoat HB PE is a cost effective premium quality two-pack, solvent free, epoxy-based coating, which provides floor surfaces with a seamless, hygienic and cosmetically attractive finish.

Strongcoat HB PE is applied by brush or roller in two coats and has very good durability towards pedestrian and vehicular traffic. It also has very good resistance towards many of the chemicals commonly found in an industrial environment (consult our Technical Department for further details).

Anti-Slip resistant finishes are available, please consult our Sales Department for further information.

KIT FORM

10kg and 5kg

SPECIFIED TOPPING THICKNESS RANGE

Approximately 200 microns per coat.

COVERAGE

Approximately 3-4m² per Kg at the specified coating thickness. **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 Strongcoat HB PE is being applied.**

STORAGE

Store at temperatures between 5°C and 30°C.

SHELF LIFE

Approximately 24 months if stored in unopened containers and under good conditions.

TECHNICAL INFORMATION

EN 13813 Designation	SR-ARO,5-B2,0-IR10
Wear Resistance (EN 13892-4)	≤ 50 µm
Bond Strength (EN 13892-8)	≥ 2.0 N/mm ²
Impact Resistance (EN ISO 6272-1)	≥ 10 Nm

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 (see **DCP Guide to Surface Preparation** for further details).

For treatment of surfaces containing expansion joints consult our Technical Department.

PRIMING

Strongcoat HB PE 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 greater than 75%, it is recommended that **Strongcoat DPM** be used prior to coating with Strongcoat HB PE.

(Please consult the appropriate data sheets for further details).



MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Strongcoat HB PE Hardener and Strongcoat HB PE Resin container into a mixing bucket and, using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately two minutes.

- **Never mix Strongcoat HB PE by hand as this could lead to areas of uncured material.**

APPLICATION

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

WORKING TIME

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

- **Never leave the mixed Strongcoat HB PE to stand for any length of time prior to application as this will considerably shorten its working time.**

CURING TIME

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

At the same temperature, Strongcoat HB PE should be allowed to cure for approximately seven 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 Strongcoat HB PE must be applied no later than 24 hours at 20°C after the first coat has cured. Additionally, the first coat of Strongcoat HB PE must not be contaminated prior to applying the second coat.

CLEANING

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

WORKING CONDITIONS

Strongcoat HB PE should not be applied at temperatures less than 10°C.

SLIP RESISTANT FINISHES

Apply a coat of **Strongcoat Primer** to the surface and allow it to cure for the specified time (see the Strongcoat Primer Data Sheet for further details). Apply a coat of Strongcoat HB PE to the primed surface and, whilst this is still wet, completely blind it with an appropriate grade of Aggregate (consult Technical for details of Aggregate grades). Allow the coat of Strongcoat HB PE to cure for the specified time (see Curing Time) then vacuum off the excess Aggregate. Seal the bound Aggregate with a further coat of Strongcoat HB PE (consult the Technical Department for further details of coverage rates).

Important: The coverage of Strongcoat HB PE will be considerably reduced when using it to seal Aggregate.

HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheets prior to using Strongcoat HB PE.

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 that this Data Sheet is the current issue.

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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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