

Strongcoat HB Line

High-build, solvent-free epoxy line marking paint with gloss finish



DESCRIPTION

Strongcoat HB Line is a high-performance, solvent-free two-component coating engineered for precise and durable floor markings. Formulated as a high-build, thixotropic system, it provides excellent edge definition and is specifically designed to minimise bleed when applied with masking tape, ensuring clean, sharp lines. Once cured, the coating delivers a hard, abrasion-resistant surface with a smooth, high-gloss finish.

APPLICATIONS

Strongcoat HB Line is suitable for creating durable, high-visibility markings in a wide range of industrial and commercial environments, including:

- » Warehouses and distribution centres.
- » Factories and manufacturing facilities.
- » Car parks and loading bays.
- » Workshops and service areas.
- » Safety walkways, aisles, and hazard zones.
- » Plant rooms and utility areas.

ADVANTAGES

- » Solvent-free.
- » High-build, thixotropic formulation.
- » Low-bleed formulation for clean lines with masking tape.
- » High chemical resistance.
- » Available in a wide range of colours.
- » Forms a seamless surface that is easy to clean.

METHOD OF USE

SUBSTRATE PREPARATION

Strongcoat HB Line may be applied to cementitious substrates and suitable epoxy coatings. 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 have a minimum compressive strength of 25 N/mm² and a maximum concrete relative humidity of 75% (max. moisture content of 4%). Relative humidity can be measured by using hygrometers. Concrete relative humidity should be less than 75% for concrete of 28 days old or more. Ensure that all pinholes and grooves in the prepared substrate are properly filled using suitable epoxy putty materials prior to the application of subsequent layers. This is crucial to prevent pinhole reflection and to achieve a smooth, seamless finish. Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. In case of areas deeply contaminated by oil or grease, such areas should be treated with hot compressed air.

TECHNICAL PROPERTIES:

Colour:	Available in different colours
Mixed density:	1.50 ± 0.05 g/cm ³
Pot life:	30 - 40 min @ 20°C
Foot traffic:	24 hr @ 20°C
Recoating time:	
Minimum	12 hr @ 20°C
Maximum	24 hr @ 20°C
Full curing time:	7 days @ 20°C
Bond strength:	≥ 2 N/mm ²
Taber abrasion resistance:	
(1000 g, 1000 cycle)	90 milligram
ASTM D4060, weight loss, CS17 wheel	

PRIMING

Strongcoat HB Line 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 Line.

MIXING

Prior to mixing, stir the individual components of the base and hardener. Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the hardener container into the base container and using a slow-running electric drill, mix thoroughly for approximately 2 minutes.

Note: Never mix Strongcoat HB Line by hand as this could lead to areas of uncured material.

APPLICATION

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

If required, a second coat of Strongcoat HB Line must be applied within 24 hours at 20°C after the first coat has cured. The first coat must be clean and free from contamination before applying the second coat. If inter-coat window is exceeded, the previous coat should be mechanically prepared to ensure adhesion.

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Strongcoat HB Line

WORKING CONDITIONS

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

REMARKS

- » 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.
- » In lighter colour shades, the product may experience accelerated yellowing over time, even indoors, particularly when exposed to heat from strong lighting (e.g., industrial discharge lamps, fluorescent lamps, metal halide or mercury vapour lamps).
- » The product may yellow under UV exposure; however, this may be minimal and does not affect product performance.

CLEANING

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

PACKAGING

Strongcoat HB Line available in 5 kg, 10 kg and 20 kg packs.

COVERAGE

Approximately 0.7 to 0.8 kg/m² for a dry film thickness of 500 microns per coat.

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 Line 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.

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

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OCCASSIONAL SPILLAGE

Chemical Resistance after full cure (Spot - test @ 1 hr)

Oleic Acid	RS
Citric Acid 25%	R
Vinegar 10%	R
Sodium Hydroxide 50%	R
Ammonia 10%	R
Xylene	R
White Spirit	R
Phosphoric Acid 20%	R
Sulphuric Acid 25%	R
Hydrochloric Acid 15%	R
Nitric Acid 25%	R

Chemical Resistance after 7 days immersion in below chemicals

Nitric Acid 10%	RS
Phosphoric Acid 20%	R
Vinegar 10%	R
Sulphuric Acid 25%	R
Hydrochloric Acid 15%	R

R: Resistant

RS: Resistant with slight discolouration

CAUTIONS

HEALTH AND SAFETY

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

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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.

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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