

SoproDur® HF-L 513 - High Strength Epoxy Coating

A two-part epoxy resin protective coating based on a special, pigmented construction resin system. For the protection of cementitious substrates against mechanical and chemical loads.

- High abrasion resistance
- Solvent-free
- Chemical-resistant
- Straightforward application
- For indoor and outdoor use
- Colour: RAL7030 stone grey

Properties

SoproDur® HF-L 513 is an easily workable, highly abrasion-resistant, chemical-resistant, solvent-free epoxy resin protective coating. It is frost-resistant and creates a durable, water- and vapour-proof surface barrier.

Field Of Application

For the protection of cementitious substrates, e.g. screeds, concrete surfaces and finished floor surfaces produced with Sopro HF-S 563 high-strength floor-levelling compound, against mechanical loads and aggressive chemicals, e.g. acids, alkalis, salts, organic substances and solvents. Cures to produce a water- and vapour-proof surface barrier. Do not use SoproDur® HF-L 513 in areas exposed to rising damp.

Suitable Substrates

Cementitious substrates, e.g. screeds, concrete surfaces and finished floor surfaces produced with Sopro HF-S 563 high-strength floor-levelling compound; screeds incorporating rapid-set binders or rapid-set screed mortars, e.g. Sopro Rapidur® FE 678, Sopro Rapidur® B1 turbo, Sopro Rapidur® B3, Sopro Rapidur® B5, Sopro Rapidur® M1 or Sopro Rapidur® M5, with moisture content < 4.0% CM.

Substrate Preparation

To ensure bubble-free application of SoproDur® HF-L 513, pretreat substrate with Sopro EPG 522 epoxy primer (indoor areas), Sopro BH 869 construction resin (indoor areas) or Sopro ESG 868 epoxy primer sealer (outdoor areas). Please observe guidelines of relevant technical data sheet. Substrates must be absolutely clean, dry, solid, strong, dimensionally stable and free from dust, grease, oil residue, old paint coatings and loose particles, which may impair adhesion. Cracks and damaged surfaces should be properly repaired, e.g. using Sopro RAM 3 454 renovation

and levelling mortar. Porous patches and minor surface irregularities may be levelled out using Sopro RS 462 repair filler. Apply SoproDur® HF-L 513 only to fully cured substrates.

Application

Component A and Component B are supplied in correct mixing proportions (1 : 4). Add all Component B to Component A and mix using slow-speed mechanical stirrer to homogeneous consistency. Also stir at sides and bottom to ensure uniform distribution of curing agent throughout mix. Transfer prepared mix to clean container and thoroughly restir. Do not apply material directly from original supplied container. Roll, brush or spray on SoproDur® HF-L 513 in two coats. Apply second coat within 6 – 24 hours, depending on ambient conditions. Protect surface from rain for min. 12 hours after application. SoproDur® HF-L 513 may be exposed to chemical and mechanical loads after 24 hours.

Test Certificate

Institute for Occupational Safety and Health (IFA) of the German Social Accident Insurance: SoproDur® HF-L 513 blinded with Sopro QS 511 coarse silica sand (min. 1.2 kg/m²) meets criteria for class R11 slip resistance to DIN 51130.

Declaration of Performance

Please ask for DoP No: CPR-DE3/0513.1.eng.

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Application Temperature

Between +5 °C and max. +30 °C.

Specified Times

Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

Cleaning

Rollers, brushes and spray equipment can be cleaned with ethanol before SoproDur® HF-L 513 cures.

Tools

Lambswool roller, block brush; wash tools with water immediately after use.

Storage

At least 24 months, subject to storage indoors in dry conditions at temperature between +5 °C and +30 °C in original unopened containers.

Disposal Considerations

Mix residual material (Components A + B), allow to cure in container and ensure disposal in accordance with local statutory regulations. Clean containers are recyclable.

Technical Information

Colour	Stone Grey
Maxing Ratio	4 kg Component A : 1 kg Component B
Application Temperature	From +5°C
Working Life	30 - 40 minutes
Curing Time	4 - 5 hours
Waiting Time between coats	6 – 24 hours, depending on temperature and ambient conditions
Fully Loadable	After approx. 3 days
Coverage	300 – 400 g/m ² per coat
Packaging	5 kg packaging comprises: Bucket, Component A 4 kg Bottle, Component B 1 kg

