PRODUCT DATA SHEET

DECKSCREED HD

Starke Construction Chemicals

Aliphatic polyurethane resin bound screed system

DESCRIPTION

DECKSCREED HD is a two component, high solids, solvent based polyurethane resin ready for on-site mixing and use.

When mixed with aggregate as a resin bound system, it provides a wide variety of finishes which are dependent on the type, color and size of the used aggregates along with their proportion with the resin. The system can be applied at 5 - 50 mm thickness based on the size of aggregateused.

APPLICATIONS

is used to provide a natural looking floors with good chemicals resistance and for a wide range of applications such as:

» Public footpaths.

» Driveways and car parks. » Pool surrounds.

» Garden paths.

» Decorative landscaping. » Chemical plants.

» General industrial and marine applications.

ADVANTAGES

» High solid content.

» Gloss topcoat with unlimited recoatability.

» Clear color, enhances the natural color of aggregate used.

» Excellent adhesion strength.

» Natural appearance with excellent color and gloss retention.

» Easy to apply and clean.

» Resistant to a wide range of chemicals, consult with STARKE technical department for more details.

METHOD OF USE

SUBSTRATE PREPARATION

The substrate must be clean, dry, even, dense and free from oil, grease, dust or any contamination. A clean surface will ensure maximum adhesion between the substrate and the system.

TECHNICAL PROPERTIES FOR THE NEAT MIXED RESIN (WITHOUT AGGREGATE) @ 25°C:

Appearance:	Clear liquid
Mixed density:	1.1 ± 0.1 g/cm³
Solid content:	75 ± 5% by weight
Pot life:	1 - 3 hr
Overcoating time	2 - 4 hr
Dry film thickness :	50 - 75 microns per coat
VOC:	≤ 350 g/ltr

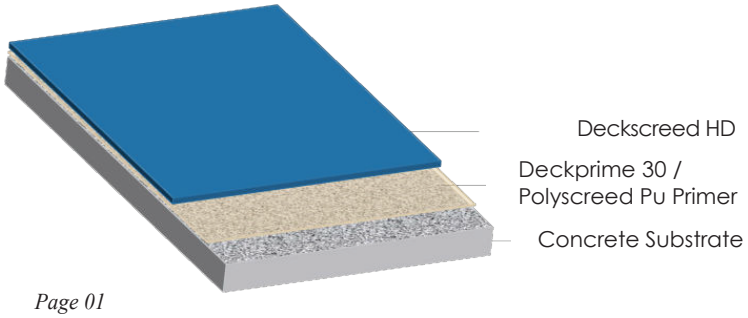
Concrete floors should be at least 28 days old and must have a minimum compressive strength of 25 N/mm² and a maximum concrete relative humidity of 75% (max. moisture content of 4%), relative humidity can be measured by using hygrometers.

Unsound layers and contaminated concrete surfaces must be prepared mechanically by (grit blasting, scraping, grinding, milling, etc.). Smooth surfaces should be roughened by light grinding or other mechanical means. In case of areas deeply contaminated by oil or grease, such areas should be treated with hot compressed air.

Priming

DECKSCREED PU is recommended to be applied onto the prepared substrates if required, it should be applied by brush or short hair lambs wool roller.

Spread evenly at the recommended coverage rate, avoiding any primer ponding on the surface. Highly porous surfaces may require two coats of Primer. The primer should be overcoated within 12 - 24 hours with the floor screed.



Mixing

Open both aggregate bags (Part 3) before the mixing start to ensure no time is wasted between mixes / kits. Shake Part 1, Part 2 and Part 4 vigorously prior to opening.
Set up the mixing machine as close to the floor as possible (Use two mixing vessels to ensure time between mixes / kits is minimized).

Decant Part 1 and Part 4 (Pigment paste) into mixing vessel and mix for 5 seconds (until uniform).
Start timer when adding Part 2 and mix for 30 seconds.
Once 30 seconds is complete, pour Part 3 filler into the mix and mix for a further 2 minutes until uniformly wetted out.

PLACING

Pour out the mix into the demarcated area in a long ribbon and pull the mix with an 8 mm or 10 mm notched rake. As soon as the first mix has been troweled, the next mix should be delivered to the floor and placed into the previous mix. Spike roll immediately to remove trowel marks and mix join regions (regions where two mixes meet). Ensure spiking is within 8 minutes of the start time of each mix. Allow the surface to settle and cure.

SEALING

Stain resistance is enhanced if the Polyscreed surface is sealed. Solidkote UV Satin is recommended.

EQUIPMENT CLEANING

All tools should be cleaned immediately after application using STARKE Solvent. Hardened materials must be cleaned mechanically..

ANTIMICROBIAL RESISTANCE

An important advantage of the Polyscreed range is its silver ion technology which inhibits the growth of bacteria and fungi ensuring a more hygienic surface.

PACKAGING: is available in 25 litre packs.

STORAGE & SHELF LIFE

When stored in a cool environment, in original unopened containers, the material has a shelf life of 12 months.

HEALTH & SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA No.85 of 1993. The finished system is not hazardous to health or the environment.

More from starke construction chemicals A wide range of construction chemical products are manufactured by STARKE which include:

- **Concrete admixtures.**
- **Surface treatments**
- **Grouts and anchors.**
- **Concrete repair.**
- **Flooring Coating**
- **Sealants.**
- **Waterproofing.**
- **Adhesives.**

ISO 9001:2015

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Important note :