

DECKCRETE PU HD

Heavy duty trowel applied polyurethane topping

DESCRIPTION

DECKCRETE PU HD is a three component polyurethane self smoothing topping available in a range of matt colours. This can be applied at 6-9mm thickness range.

TYPICAL USES

DECKCRETE PU HD is used to provide a heavy duty, hard wearing floor finish with exceptional chemical resistance. Typical areas for use are wet and dry process areas where the floor is subjected to heavy traffic, impact and chemical attack.

- Meat, poultry and fish processing plants
- Bakeries & confectionery industries
- Airplane Hangers
- Pharmaceutical industries
- Textile manufacturing areas
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ADVANTAGES

- . Seamless and hygienic finish
- . Excellent chemical resistance
- . Easy to clean and sterilise, low maintenance requirement
- . High abrasion resistance
- . Low odour during installation

TECHNICAL DATA

Typical results	@ 20°C
Pot Life	12 mins
Fully Cured	3-5 days
Compressive strength (BS EN 13892-2)	55±2N/mm ²
Tensile strength (ASTM C307)	6N/mm ²
Flexural strength (BS EN 13892-2)	30N/mm ²
Abrasion resistance (ASTM D4060): Loss/1000 cycles /1kg - CS17 wheel	0.10 g
Temperature resistance	@6mm -25°C to 100°C @9mm-35°C to 120°C

COLOURS

All standard colours.

DECKCRETE PU HD is not colour stable and may discolour on ageing; this is more noticeable in light colours. This will not impair its cured physical properties.

CHEMICAL RESISTANCE CHART

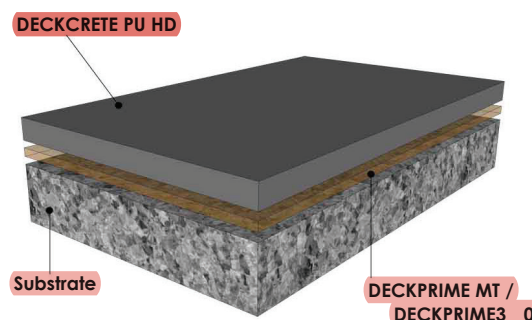
Citric 10%	Excellent
Acetic 10%	Excellent
Lactic 5%	Excellent
Sulphuric 20%	Excellent
Hydrochloric 20%	Excellent
Nitric 20%	Excellent
Phosphoric 20%	Excellent

ALKALI

Sodium Hydroxide 70%	Excellent
Ammonia 10%	Excellent

SOLVENTS

Engine Oil	Excellent
Hydraulic Oil	Excellent
Petrol	Excellent
Diesel	Excellent
Kerosene	Excellent
Butanol	Excellent
Acetone Limited	
Solvents (Xylene, Toluene)	Excellent



APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of DECKCRETE PU HD. Grit blasting is recommended to ensure the removal of all laitance, grease and oil. The resultant surface should be dry and dust free. Cracked and damaged areas must be made good with appropriate repair materials.

PRIMING

DECKCRETE PU HD Priming is recommended. Use DECKCRETE PU HD Base and Hardener at 7-10m²/L rate for sealing the surface. Alternatively, DECK-PRIME 30 or MT can be used. Broadcast HF filler immediately after Primer application, if mechanical key is required for the screed. Apply DECKCRETE PU HD within 24 hours of the application of Primer.

MIXING

Mixing and application of DECKCRETE PU HD is a specialised work, and should always be carried out by trained personnel. Stir the base component well. Start the rotary drum mixer and charge the filler. Add the base component whilst mixing, and continue for 2 minutes. Pour the hardener component into the mix, and mix for another 2-3 minutes.

APPLICATION

Apply to pre-primed area, levelling to the required thickness with a steel trowel and aided by a spiked roller.

EQUIPMENT CLEANING

Clean with DECK Cleaning Fluid before the product has cured.

PACKAGING AND YIELD

DECKCRETE PU HD is supplied in 12 litre units with a coverage rate of 6 litre/m² at 6mm thickness.

APPLICATION TEMPERATURE RANGE

Minimum 10°C

Maximum 30°C

STORAGE AND SHELF LIFE

If stored unopened in dry conditions at 10-25°C, shelf life will be 12 months minimum.

CAUTIONS

HEALTH & SAFETY

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets available from STARKE on request and sent with each delivery.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

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- > **Flooring Coating**
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Important note :

Starke range products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Starke endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation, opinion or information given by it.

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