

DECKCRETE PU MD



Medium duty flow applied polyurethane topping

DESCRIPTION

DECKCRETE PU MD is a three component polyurethane self smoothing topping available in a range of matt colours. This can be applied at 3-6mm thickness range.

TYPICAL USES

DECKCRETE PU MD is used to provide a medium 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

ADVANTAGES

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

TECHNICAL DATA

Typical results	@ 20°C
Pot Life	15 mins
Fully Cured	3-5 days
Compressive strength (BS EN 13892-2)	55±2N/mm ²
Tensile strength (ASTM C307)	16N/mm ²
Flexural strength (BS EN 13892-2)	30N/mm ²
Abrasion resistance (ASTM D4060): Loss/1000 cycles	

/1kg - CS17 wheel

0.12 g

Temperature resistance

@3mm -20°C to 90°C

@6mm-25°C to 100°C

COLOURS

All standard colours.

DECKCRETE PU MD 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

ACIDS

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

ALKALI

Ammonia 10%	Excellent
Sodium Hydroxide 70%	Excellent

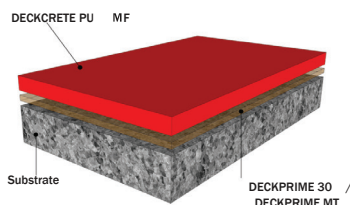
SOLVENTS

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

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of DECKCRETE PU MD. 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.

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.

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.**

PRIMING

DECKCRETE PU MD Priming is recommended . Use DECKCRETE PU MD 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 MD within 24 hours of the application of Primer.

MIXING

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



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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