

Denpur™ MC

Polyaspartic matt topcoat

PRODUCT DESCRIPTION

Denpur™ MC is a 2-component, matte, aliphatic polyaspartic topcoat. It provides excellent wear resistance, improved scratch resistance and a matte finish.

FEATURES AND BENEFITS

- Consistent, lightly textured matte finish
- Durable
- Improves scratch resistance and wear resistance
- UV resistant
- Good adhesion to non-porous substrate
- Low viscosity
- Easy to clean and maintain

FIELDS OF APPLICATION

Denpur™ MC is designed for use as a matte UV-stable, wear-resistant topcoat for polyurethane and epoxy coating systems.

SUBSTRATE PREPARATION

The surface to be applied **Denpur™ MC** must be clean and dry. Application must be made within 24 hours of installation of the substrate.

APPLICATION

Denpur™ MC is supplied in prepackaged units. Before mixing, **Denpur™ MC** must be homogenized by gentle stirring. Assume both components A and B to a temperature of approx. 15 to 20°C. Pour the entire contents of part B into the container of part A. Mix with an electric drill and paddle at low speed (about 300 rpm) for at least 3 minutes until homogeneous. Scrape the sides and bottom of the container several times

while mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrainment of air. Do not work in the original container. Decant the mixed material into a fresh container and remix for one minute. Use a max. 40 cm wide short pile roller and start in the middle of one of the short sides of the floor. Dip the roller into the mixed material and place a strip of **Denpur™ MC** parallel to the wall next to one of the corners. Dip the roller into the material again and work from the starting point to the other corner. Go back and repeat these steps, overlapping the first track by a few inches. With a new roller, roll backwards without stopping from one corner to the next. Move the roll by 10 to 20 cm and roll to the opposite wall without stopping. Always roll in the same direction to avoid visible differences. Using this method, the period between overlaps should not exceed 1-4 minutes and visible roll marks will be minimized. Depending on the method of application and consumption, **Denpur™ MC** appears with a slightly structured surface. The material's curing time is affected by ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this extends pot life, open time and curing times. High temperatures speed up the chemical reactions, so that the above time frames are shortened accordingly. To cure, the material, the substrate and the application temperature should not fall below the minimum. The substrate temperature must be at least 3°C above the dew point both during application and for at least 8 hours after application (at 15°C).

CONSUMPTION

Denpur™ MC Typically 0.05 - 0.15 kg/m² per layer.
Do not exceed recommended usage.

CLEANING

Tools must be cleaned immediately after use and **Dencoat™ Tool Cleaner** or similar can be used here.

PACKAGING

Denpur™ MC is supplied in 7.5 kg. **Denpur™ MC** is used together with **Denpur™ Hardener**.

SHELF LIFE

Minimum 12 months in original packaging and under dry conditions. Temperature is recommended to be between 15-20°C. Do not expose to sunlight.

Technical data for Liquid material

Property	Method	Values
Mixing Ratio A:B		7.5 kg : 2 kg = 9.5 kg
Mixed density		1.07 kg/l
Mixed Viscosity at 23°C	Brookfield DV-II	100 cP
Working time at 23°C		20 minutes
Ready for traffic at 23°C		1 hour
Fully cured at 23°C		24 hours
Substrate temperature		Min 5°C max 30°C
Max relative humidity		Max 85%

Technical data cured material

Property	Method	Values
Thickness		0.05 - 0.1 mm
SHORE D hardness	DIN 53505	n.a.
Tensile strength	DIN 53504	n.a.
Elongation at Break	DIN 53504	>50%
Crack bridging ability		>1 mm
Temperature resistance		Max 90°C
Water penetration		Impervious
Chemical Resistance		See separate datasheet
Adhesion to concrete	BS/EN 24614	>1.5 MPa
Abrasion resistance (Taber)	EN 1504-2	<50 mg
Impact resistance	EN 1504-2	Class II
Fire classification	EN 1504-2	B _{fl}

CE	
Dencoat™ International · E-mail: info@dencoat.com · Website: www.dencoat.com	
22 ¹⁾	
MC - 001	
EN 13813 SR-AR1-B1,5-IR4	
Syntetisk harpiks til internt brug (Installation i overensstemmelse med den nyeste tekniske information)	
Reaktion på brand:	B _{fl}
Frigivelse af ætsende stoffer (Synthetic Resin Screed):	SR
Vandgennemtrængelighed:	NPD ²⁾
Slidstyrke:	< AR 1 ³⁾
Vedhæftningsstyrke:	> B 1,5
Slagstyrke:	< IR 4
Lydisolering:	NPD ²⁾
Lyddæmpning:	NPD ²⁾
Termisk modstand:	NPD ²⁾
Kemisk resistens:	NPD ²⁾

CE-labelling

- 1) Last two digits of the year in which the ce marking was affixed.
- 2) NPD = No performance determined.
- 3) Refers to a smooth surface without broadcasting.

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