

BERGOLIN 2C MS TOPCOAT 6D7900

Series 6D7900 · High-build, weather-resistant 2K PU topcoat (medium solids) for steel and GRP, single-coat application



01 PRODUCT DESCRIPTION

Bergolin 2C MS Topcoat 6D7900, color is a solvent-borne, high-build two-component polyurethane topcoat (medium solids) on a polyacrylic basis with good weathering resistance. The product is designed for use on steel, GRP and other load-bearing substrates and can be applied directly to metal (DTM) as a single-coat system, enabling efficient and economical application. The coating features high sag resistance, allowing higher film thicknesses to be applied without running while achieving a uniform and durable paint film. In combination with a suitable primer, the system is suitable for demanding industrial environments where both an attractive appearance and high application efficiency are required.

02 PRODUCT PROPERTIES

Binder system	Polyacrylic
Hardener system	Bergolin PUR Hardener 7D054 Superdur Structure Lacquer Hardener 7D704
Adjustment thinner	Superdur Thinner 5D402 / 5D411
Cleaning thinner	EP Thinner 5E403 / 5P003
Characteristics	 Weather resistant  Direct-to-Metal  Singlecoat  High sag resistance
Color shade	RAL 7035 (other colors on request)
Gloss	Matt
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.

Property	Comp. A	Hardener 7D054	Hardener 7D704
Density · DIN EN ISO 2811-1 · +20 °C * ¹	Approx. 1.20 g/cm ³	Approx. 1.06 g/cm ³	Approx. 1.05 g/cm ³
VOC content · IE Directive 2010/75/EU * ¹	Approx. 400 g/l	Approx. 265 g/l	Approx. 357 g/l
Solid content (wt.-%) · SDS * ¹	Approx. 66 %	Approx. 75 %	Approx. 66 %
Viscosity · DIN EN ISO 2555 / ISO 2431 · +20 °C	Approx. 2500 mPas	Approx. 37 s (4 mm)	Approx. 20 s (4 mm)

*¹ Depending on color shade

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03 APPLICATION

The following information may vary depending on the application. Please contact your direct contact person for more detailed information.

Substrate	Steel, GRP (further substrates on request)
Surface preparation	The substrates must be clean, dry, load-bearing and free from contamination (e.g. oil, grease and dust). Steel: Surface preparation to EN ISO 12944-4. Free from weld spatter, pores, overlaps, burrs, grease, oil and dirt. Blast-clean to Sa 2½, mean roughness Rz approx. 50–70 µm (G or operating mix GS). Optional primer: 1 × 50 µm 2C-Epex-Hydro-Primer (3E602), consumption approx. 140 g/m² at 50 µm DFT.
Mixing ratio	8 : 1 by weight 7 : 1 by volume
Mixing	Stir both components separately and homogenise if necessary. Pour component B into the container of component A and mix with an electric stirrer for at least 3 min at max. 700 rpm. Transfer into a clean container and mix again thoroughly for approx. 1 min.
Theoretical consumption	Approx. 170 g/m² per 100 µm wet film thickness; approx. 250 g/m² per 100 µm dry film thickness
Application method	 Brush  Roller  Airless/ Airmix
Application conditions	 Application temperature +10 °C to +30 °C (air temperature)  Relative humidity Max. 80 %; dew point 3 °C below surface temperature
Working time	Approx. 90 min (+20 °C) approx. 60 min (+30 °C)
Recoating interval (with itself)	Min. 12 h max. 48 h. After the maximum recoating time has elapsed, mechanical surface preparation (e.g. sanding or sweep-blasting) is required.
DRYING	
Dust-dry	Approx. 1 h (+20 °C) 90 min (+10 °C)
Light load	Approx. 24 h (+20 °C) 48 h (+10 °C)
Mech. & chem. fully cured	Approx. 7 days (+20 °C) 14 days (+10 °C)
Compatible systems	Primer: Epex zinc dust (3E750); 2C-Epex-Hydro-Primer (3E602). Further applications on request.

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**04 NOTE**

This product data sheet supersedes all previously published product data sheets. The information contained herein is based on practical experience under standard conditions and assumes proper storage and processing. Substrates, materials and working conditions may vary. Therefore, no warranty or liability can be derived from the information contained in this document or from verbal consultation. It is the buyer's responsibility to verify the product's suitability for the intended use. Preliminary trials are recommended. The relevant legal regulations, the leaflets of the BG RCI and the accident prevention regulations of the responsible employers' liability insurance association must be observed. In all other respects, our General Terms and Conditions of Sale and Delivery apply.

MODIFIED BY

24.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

24.08.2026 – Stefan Eisenmenger, Product Management