

BERGOLIN 2C ANTI ICE TOPCOAT 2D6000

Series 2D6000 · Solvent-borne 2K PUR clear coat with a superhydrophobic, ice- and dirt-repellent surface



01 PRODUCT DESCRIPTION

Bergolin 2C Anti Ice Topcoat 2D6000 is a solvent-borne, polishable and sandable two-component polyurethane lacquer for coating various substrates. It offers excellent weather and UV resistance. After curing, the film exhibits a superhydrophobic surface and is therefore dirt- and ice-repellent.

02 PRODUCT PROPERTIES

Binder system	Polyurethane
Hardener system	Bergolin Hardener 7D6000
Adjustment thinner	Approx. 5 % Superdur Thinner 5D402
Cleaning thinner	Superdur Thinner 5D402
Characteristics	 Anti-ice  Super-hydrophobic  Weather & UV resistant  Mechanically resistant  Chemically resistant
Color shade	Colorless
Gloss	Glossy
Shelf life	12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C	Approx. 1.00 g/cm³	Approx. 1.05–1.15 g/cm³	Approx. 1.05–1.15 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 498 g/l	Approx. 110 g/l	Approx. 400 g/l
Solid content (wt.-%) · SDS	Approx. 51 %	Approx. 90 %	Approx. 61 %
Flow viscosity · DIN EN ISO 2431 · +20 °C	Approx. 40–60 s (4 mm)	Approx. 115–150 s (4 mm)	Approx. 50–75 s (4 mm)

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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	Sound underlying coatings or paint systems (applied as a finishing sealer); further substrates on request
Surface preparation	The substrate must be mechanically sanded; before application it must be dry and clean.
Mixing ratio	3 : 1 by weight 3.2 : 1 by volume (with Bergolin Hardener 7D6000)
Mixing	Add the hardener component completely to the base component and stir for approx. 1 minute.
Theoretical consumption	Approx. 80 g/m ² at 40 µm dry film thickness (substrate-dependent)
Application method	 Cup gun
Application conditions	 Application temperature min. +15 °C  Relative humidity 20–80 %
Processing note	Cup gun: pressure 4–5 bar, nozzle 1.5–1.6 mm. Temperatures above +20 °C accelerate the reaction and curing process.
Pot life ^{*1}	Approx. 50 min at +20 °C
DRYING^{*1}	
Tack-free	Approx. 1.5 h
Grip-firm	Approx. 3.5 h
Fully cured	Approx. 7 d
Fully cured (heat-forced)	Approx. 0.5 h at +80 °C

^{*1} Lower temperatures slow down drying; higher temperatures accelerate it.

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

26.08.2026 – Martin Krull, Head of Laboratory

APPROVED BY

26.08.2026 – Stefan Eisenmenger, Product Management