

Bergopur HighBuild Topcoat 6D8000

Series 6D8000 · Solvent-borne, high-build 2K PU single-coat topcoat (DTM) for construction and agricultural machinery



01 PRODUCT DESCRIPTION

Bergopur HighBuild Topcoat 6D8000 is a solvent-borne, high-build two-component polyurethane topcoat on a polyacrylic basis for the series coating of construction and agricultural machinery. As a direct-to-metal (DTM) system, it can be applied in a single coat at high dry film thickness, combining effective corrosion protection, high mechanical and chemical resistance and excellent weather and colour stability in just one operation. Its high sag resistance allows uniform, run-safe films even on edges, overlaps and mechanically machined or blast-cleaned surfaces; the very good levelling properties ensure a high-quality, uniform appearance. Thanks to the single-coat build-up, the product reduces material, energy and process costs and enables economical, user-friendly and process-reliable painting. The primary field of application is construction machinery; it is also suitable for agricultural machinery and comparable steel components.

02 PRODUCT PROPERTIES

Binder system	Polyacrylate
Hardener system	Bergolin Hardener 7D8500
Adjustment thinner	Superdur Thinner 5D402 / 5D411
Cleaning thinner	Superdur Thinner 5D402 / 5D411
Characteristics	 Good corrosion protection  Weather-resistant  Direct-to-Metal  Single-coat  Highbuild
Color shade	RAL 7035 (further color shades on request)
Gloss	Matt, satin to glossy
Shelf life	12 months in the unopened original container at +4 °C to +40 °C; protect from frost and moisture.
Chemical resistance	Media on request
Thermal resistance	Up to approx. +120 °C (dry heat), briefly approx. +150 °C up to approx. +40 °C (moist heat and water). Yellowing possible above +80 °C.

*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 (further substrates on request)
Surface preparation	Ensure sufficient load-bearing capacity before application. 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	170 g/m² per 100 µm WFT 250 g/m² per 100 µm DFT
Application method	 Brush / block brush  Roller  Airless / Airmix spray
Application conditions	 Air temperature +10 °C to +30 °C  Relative humidity max. 80 %  Dew point min. 3 °C below surface temperature
Working time ¹²	Approx. 90 min at +20 °C approx. 60 min at +30 °C
Recoating interval (with itself) ¹²	Min. 12 h max. 48 h. After the maximum recoating time has elapsed, mechanical surface preparation (e.g. sanding or sweep-blasting) is required.
DRYING¹²	
Dust-dry (TG 1)	Approx. 1 h at +20 °C approx. 90 min at +10 °C
Lightly loadable	Approx. 24 h at +20 °C approx. 48 h at +10 °C
Fully cured (mech. & chem.)	Approx. 7 days at +20 °C approx. 14 days at +10 °C
Compatible systems	Primer: Epex zinc dust (3E750) Primer: 2C-Epex-Hydro-Primer (3E602) Further applications on request.

¹² Values are based on laboratory measurements at +20 °C. Lower temperatures slow down drying; higher temperatures accelerate it.

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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

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APPROVED BY

26.08.2026 – Stefan Eisenmenger, Product Management