

EXOSHIELD JGS 6D258

Series 6D258 · Solvent-free, crack-bridging 2K PUR liquid plastic for the interior lining of storage tanks



01 PRODUCT DESCRIPTION

ExoShield JGS 6D258 is a solvent-free, non-conductive, crack-bridging two-component polyurethane liquid plastic for the interior lining of storage tanks that are filled with liquid manure, slurry and silage effluent. It forms a seamless, permanently sealed coating that, thanks to its crack-bridging capability, accommodates movement in the substrate and is highly resistant both mechanically and chemically. Steel and concrete tanks are thus reliably and durably protected against aggressive media.

02 PRODUCT PROPERTIES

Binder system	Polyurethane			
Hardener system	Bergolin Hardener 7D1100			
Cleaning thinner	Bergolin Thinner 5D402			
Characteristics	 Solvent-free	 Crack-bridging	 Mechanically resistant	 Chemically resistant
Color shade	Pebble grey, approx. RAL 7032 (further shades on request)			
Gloss	Glossy			
Shelf life	Approx. 12 months in the unopened original container at +4 °C to +40 °C. Protect from frost and moisture.			
Mechanical resistance	Shore D 60			
Chemical resistance	Permanently resistant to liquid manure, slurry and silage effluent, fresh water, salt water and household cleaners (further media on request)			
Electrical resistance	Non-conductive (1000 µm > 10 GΩ)			

Property	Comp. A	Comp. B	Mixture
Density · DIN EN ISO 2811-1 · +20 °C *1	Approx. 1.28 g/cm³	Approx. 1.23 g/cm³	Approx. 1.28 g/cm³
VOC content · IE Directive 2010/75/EU	Approx. 0 g/l	Approx. 0 g/l	Approx. 0 g/l
Solid content (wt.-%) · SDS *1	Approx. 100 %	Approx. 100 %	Approx. 100 %
Viscosity · +20 °C	Approx. 20,000 mPas · ISO 2555	Approx. 35 s (4 mm) · ISO 2431	Approx. 35 s (4 mm) · ISO 2431

*1 Depending on colour 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, zinc/aluminium, cement concrete/screed (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. Optional primer Tenaxon T 569 (3E569). Zinc/aluminium: Clean and sweep-blast. Cement concrete/screed: Firm, clean and free from grease, oil, wax, sand, dust and other release-acting substances; well-keyed, load-bearing, free from loose or sanding particles and standing water. Optional primer Steopox 220 (2E220).
Mixing ratio	100 : 40 by weight 100 : 40 by volume
Mixing	Stir both components separately and homogenise if necessary. Transfer component B into the container of component A and mix with an electric stirrer for at least 3 minutes at max. 700 rpm. Transfer into a clean container and mix thoroughly again for approx. 1 minute.
Theoretical consumption	Approx. 128 g/m² per 100 µm dry film thickness
Film thickness	Max. 1,000 µm dry film thickness
Application method	 Airless spraying
Application conditions	 Application temperature > 0 °C air temperature; object temperature min. +5 °C  Relative humidity < 75 %  Dew point Object temperature min. 3 °C above dew point
Pot life ^{*2}	Approx. 40 min
Working time ^{*2}	Approx. 20 min
Recoating interval (with itself) ^{*2}	Max. 72 h; if exceeded, sweep-blast the surface
DRYING^{*2}	
Dust-dry	Approx. 4 h
Walkable / sandable	Approx. 16 h
Fully load-bearing	Mech. approx. 24 h · chem. approx. 7 days
Compatible systems	Primer steel: Tenaxon T 569 (3E569) Primer cement concrete/screed: Steopox 220 (2E220) Further applications on request.

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¹² Values are based on laboratory measurements at +20 °C. 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

07.09.2026 – Martin Krull, Head of Laboratory

APPROVED BY

07.09.2026 – Stefan Eisenmenger, Product Management