

DOCO POX TOPCOAT 6500

Kansai Helios Epoxy 61 S Deck wvb

Technical information Version
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High-quality epoxy resin combination topcoat for the railway vehicle sector and general industry

Beschreibung

- Areas of application
- 2-component EP topcoat, water-dilutable
 - Approved by ÖBB, DB, SBB
 - High resistance to chemicals and cleaning agents
 - Minimum solvent content < 3%

Core data

Properties	Delivery viscosity	Thixotrope
	Density	Approx. 1.42 kg/l
	Solid state	60% ± 3% by weight 45% ± 3% by volume
	Mixing ratio	6:1 by weight with DOCO POX Hardener 2000 10 : 1 by weight with DOCO POX Hardener 2100 10 : 1 by weight with DOCO POX Hardener 2100 Stir in the hardener component mechanically
	Pot life	In the mixed state at 20 °C: with DOCO POX Hardener 2000 or 2100: 3 hours with DOCO POX Hardener 2200 FAST: 1 hour
	Gloss level	Silk matt
	Shades (stock shades)	RAL, NCS
	Tintable	RAL, NCS
	Storage life	18 months
	Processing temperature	Optimum processing temperature 18 - 28 °C Ideal air humidity during application 40 - 60 % r.h. Maximum humidity for drying 80 % r.h.
		The work equipment must be suitable for water-soluble products; observe the manufacturer's instructions.
		Dispose of cleaning thinner properly, not in the sewage system!

Substrate / Processing

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
Compressed air (cup gun)	Ca. 3 bar	–	≥ 1.6
Compressed air (diaphragm pump)	2.5 – 3.5 / 3.0 – 3.5	–	≥ 1.33
Airmix	1.8 – 2.5 / 2.0 – 3.0	–	≥ 0.33 / 45–55° Winkel

Dilution	Viscosity (s)	Addition (%)	Thinner
Compressed air (cup gun)	40 – 50 (DIN 4 mm / 20°C)	–	–
Compressed air (diaphragm pump)	40 – 60 (DIN 4 mm / 20°C)	–	VE-Wasser
Airmix	20 – 30 s (DIN 6 mm / 20°C)	–	VE-Wasser

Drying	Forced drying	
Flash-off conditions		Ca. 30 Min / 20 °C
Drying conditions		Ca. 2 h / 40 °C
Drying at 20°C		
Dust dry		Ca. 1 h
Touch-dry		Ca. 16 h
With a coating thickness of 80 µm TSD		

Structure	Recommended substrates
	DOCO POX Primer 2000 DOCO POX Primer 1000

Coverage	243 g/m ² / 80 µm TSD
Tool cleaning	Immediately wash out thoroughly with DOCO POX Thinner 9000.

Information

Important	
	<ul style="list-style-type: none"> ▪ The work equipment must be suitable for water-soluble products; observe the manufacturer's instructions. Dispose of diluted cleaning agent properly, i.e. not in the sewage system! ▪ See work instructions for the respective users and projects. ▪ Viscosity values may vary slightly depending on the type of device. ▪ This data is based on empirical values. As we have no influence on the processing, we can only guarantee the consistent quality of our products. Subject to change.

Quality and environment

swiss  quality

Dold AG was founded on August 01, 1921 by Hans Dold in Wallisellen. Until Dold is still located at the same site and is one of the leading paint and varnish manufacturers in paint manufacturers in Switzerland. In Wallisellen, Dold AG develops and manufactures its innovative range of paints and varnishes for the construction painter as well as for industrial customers.



Swiss paint and varnish factory certified according to ISO 9001 / 14001 / 45001. Dold AG is one of the few one of the few paint and varnish factories which not only has its quality management, management, but also its environmental management system, as well as the occupational safety and health protection processes have been certified. These certifications are a clear commitment for Dold AG towards all its commitment to all its stakeholders.



Environmentally friendly products are a concern for DOLD. The foundation KMU Clima confirms Dold AG's contribution to voluntary climate protection. For this concern all direct emissions of CO₂ in form of electricity, heating and mobility are compensated by DOLD to a reforestation project in Uruguay. This is a long-term contribution to climate protection and for the sake of the environment.

The above information is for general guidance only. The working conditions beyond our control and the large number of different substrates mean that no claims can be made on the basis of this information. In case of doubt, we recommend that you carry out sufficient tests yourself. A guarantee can only be given for the consistently high quality of our products. All previous editions of this data sheet hereby lose their validity.