

# DOCO POX IRON MICA 5100

Kansai Helios Remoplast DS Mica

Technical information Version

(1.1) 02/26

Specially for rail vehicles and industrial applications: 2-component topcoat based on epoxy resin with mica pigments. Offers first-class corrosion protection, good chemical and oil resistance and high abrasion resistance (60-250 µm). Please note possible chalking when exposed to UV radiation. DB approval according to DBS 918 300, sheet 40.

## Beschreibung

Areas of application	<ul style="list-style-type: none"> <li>- 2K topcoat</li> <li>- Epoxy resin/polyaminoamide adduct base</li> <li>- With mica pigments</li> <li>- Excellent corrosion protection properties</li> <li>- Good chemical and oil resistance and high abrasion resistance</li> <li>- Layer thicknesses 60 - 250 µm</li> <li>- Tends to chalk when exposed to UV radiation</li> <li>- DB approval according to DBS 918 300, sheet 40</li> </ul>
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## Core data

Density	Approx. 1.29 kg/l
Solid state	69 ± 3% by weight 53 ± 3% by volume
Mixing ratio	4:1 by weight with DOCO POX Hardener 1000/5100
Pot life	Approx. 8 hours at 20°C
Gloss level	Silk matt to silk gloss
Storage life	Store in well-sealed original container for 2 years at 5 - 25°C.
Processing temperature	Optimum processing temperature 18 - 28 °C Ideal air humidity during application 40 - 60 % r.h. Maximum humidity for drying 80 % r.h.

## Substrate / Processing

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
Airmix	> 120	-	0.33

Dilution	<b>Viscosity (s)</b>	<b>Addition (%)</b>	<b>Thinner</b>
	<b>Airmix</b>	–	< 5
			DOCO POX Thinner 9000
<b>Drying</b>	<b>Forced drying</b>		
	Flash-off conditions		Ca. 20 Min / 20 °C
	Drying conditions		Ca. 60 Min / 65 °C
	<b>Drying at 20°C</b>		
	Dust dry		Ca. 60 Min
	Cured		Ca. 12 h
	With a coating thickness of 60 µm TSD		
<b>Structure</b>	<b>Primer</b>		
	DOCO POX Primer 1000		
	DOCO POX Primer 20000		
<b>Coverage</b>	140 g/m <sup>2</sup> /60 µm TSD/DFT		
<b>Tool cleaning</b>	Immediately wash out thoroughly with DOCO POX Thinner 9000.		

### Information

**Important**

Optimum processing temperature 18 - 28°C  
 Ideal air humidity during application 40 - 60% r.h.  
 Max. air humidity for drying 80% r.h.

See work instructions for the respective users and projects.  
 Viscosity specifications may vary slightly depending on the type of appliance.  
 This information is based on experience. As we have no influence on processing, we can only guarantee the consistent quality of our products. Subject to change without notice.

## 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 CO<sub>2</sub> 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.