

# DOCO PUR BASECOAT 6101

Aqua Basecoat 101 2K

Technical information Version  
(1.0) 02/26

Basecoat for vehicle construction, rail vehicle transport for local and long-distance trains, and general industry.

## Beschreibung

Areas of application	<ul style="list-style-type: none"> <li>- 2-component PUR basecoat, water-dilutable</li> <li>- Approved by ÖBB, DB, SBB</li> <li>- Fast drying</li> <li>- High-quality pigmentation with high opacity and excellent UV resistance</li> <li>- Does not require high temperatures for drying</li> </ul>
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## Core data

Properties	Delivery viscosity	DIN 4 mm 100 - 120 s
	Density	Approx. 1.31 kg/l
	Solid state	approx 54 % by weight approx 40 % by volume
	Mixing ratio	10 : 1 with DOCO PUR Hardener 6101 Stir in the hardener component mechanically
	Pot life	When mixed: 2 hours at 20°C
	Gloss level	Silk matt
	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.

## Substrate / Processing

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
Compressed air (cup gun)	Ca. 3.0	-	1.2 - 1.6
Compressed air (diaphragm pump)	2.0 - 3.5	3.0 - 3.5	0.8

Dilution	Viscosity (s)	Addition (%)	Thinner
	<b>Compressed air (cup gun)</b> 20 – 30 s DIN 4 mm / 20°C	–	Demineralised water or drinking water quality
	<b>Compressed air (diaphragm pump)</b> 20 – 25 s DIN 4 mm / 20°C	–	VE-Wasser bzw. Trinkwasserqualität
Drying	<b>Forced drying</b> Flash-off conditions Drying conditions or 30 Min. / 60° C / 40 µm TSD		Ca. 30 Min / 20 °C Ca. 40 Min / 40 °C
	<b>Drying at 20°C</b> Dust dry Touch-dry with 40 µm TSD		Ca. 35 Min Ca. 2 h
Structure	<b>Recommended clearcoats</b>		
	<ul style="list-style-type: none"> <li>▪ DOCO PUR Clearcoat 8000</li> <li>▪ DOCO PUR Clearcoat 8100</li> <li>▪ DOCO PUR Clearcoat 7000</li> </ul>		
Coverage	133 g/m <sup>2</sup> / 40 µm TSD		
Tool cleaning	Immediately rinse thoroughly with DOCO PUR Thinner 9100 or similar.		

### Information

Important	<ul style="list-style-type: none"> <li>▪ 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!</li> <li>▪ See work instructions for the respective users and projects.</li> <li>▪ Viscosity values may vary slightly depending on the type of device.</li> <li>▪ 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.</li> </ul>
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## 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.