

DUROEASY 50

2-component PU paint, silky gloss

Technical information Version

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Duroeasy 50 features excellent hardness, adhesion and abrasion resistance. Thanks to its superb surface drying and through drying properties, it enables users to work cost-effectively. Hardening relies on an aliphatic isocyanate.

Beschreibung

Areas of application 2-component polyurethane acrylic paint with a long open time for the premium coating of façades, machines and structures; also suitable for application with a brush or roller.

Core data

Properties	Delivery viscosity	Thixotrope	
	Binder	Polyurethane acrylic system	
	Density	Approx. 1.45 kg/l	
	Solid state	75-80%	
	Mixing ratio	10 : 1 by weight PU Härter 190	
		5 : 1 by weight PU Härter 100	
		5 : 1 by weight PU Härter 195	
		8 : 1 by volume PU Härter 190	
		4 : 1 by volume PU Härter 190	
		4 : 1 by volume PU Härter 195	
	Temperature resistance	Constant exposure:	150 °C
		Short-term exposure:	180 °C
	Pot life	PU Härter 100:	1.5 h
		PU Härter 190:	4.0 h
PU Härter 195:		1.5 h	
Gloss level	50 - 60 % / 60° (semi-gloss) - DIN 67 530		
Storage life	Store in tightly closed original container for 1 year at 5 - 25°C.		
VOC	24.19 %		
Processing temperature	From +10° C and up to 80% relative humidity		
Environmental label	G		

Substrate / Processing

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
	Compressed air (cup gun)	3 – 5	–
	Airless	120 – 150	–
	HVLP	2.5 – 3	–
			1.3 – 1.5
			0.28 – 0.33
			1.3 – 1.4
Dilution	Viscosity (s)	Addition (%)	Thinner
	Compressed air (cup gun)	–	20–25
	Airless	–	10–15
	Painting/rolling	–	0–5
			<u>Nitro-Universalverdünner</u>
			–
			–
Drying at 20 °C	Dust-dry (TG1)	After approx. 1.5 - 2 hours	
	Touch-dry (TG4)	After approx. 8 - 10 hours	
	Ready for installation (TG6)	After approx. 24 hours	
Drying at 60 °C	Ready for installation (TG6)	After approx. 60 - 60 minutes	
	Final hardness is achieved after 7-8 days (20°C).		
Structure	1-coat structure		
	Iron/steel/zinc/aluminium		
	2 top coats of Duroeasy 50 (dry layer thickness per pass: 60-70 µm)		
	External structure of materials		
	Iron/steel/zinc/aluminium		
	Primer: DEP 100-20 or Docamin primer (coat thickness: approx. 30 µm)		
	Top coat: 2x Duroeasy 50 (dry layer thickness per pass: approx. 60 µm)		
Coverage	5.2 – 5.8 m ² /kg with a dry layer thickness of 50 µm		
Tool cleaning	Clean tools immediately after use with nitro thinner.		

Information

Hazard warnings	For further information see the corresponding EU safety data sheet.
Further information	The SMGV information sheets and the FSO guidelines must be observed.
Important	<ul style="list-style-type: none"> ▪ Long open time ▪ Can be applied in thick coats ▪ Can be electrostatically processed ▪ High UV and weather resistance ▪ Excellent water resistance ▪ Solvent resistant ▪ Adhesion (DIN 53151): Steel: Cross-cut test 0 (very good) Zinc: Cross-cut test 0 (very good) Aluminium: Cross-cut test 1 (good)

Quality and environment



The Spaceline tinting system is the ideal colour mixing solution for today's needs. It cuts your costs for expensive storage and gives you new flexibility of supply. Spaceline paint concentrates are universal colour pastes with high-quality pigmentation. You can use them to produce RAL, NCS, IGP and many other colours with the DOLD Spaceline tinting system.



With the environmental label, coating materials can be identified in a transparent and clear scheme according to environmental and health protection criteria, as well as suitability for use. The environmental label creates transparency for the builder, architect, planner and client. All products of Dold AG are classified in the category A to G.



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.