

DUROSPACE 90

2-component PU paint, high gloss

Technical information Version

(2) 02/26



swiss  quality

Durospace 90 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 Premium 2-component polyurethane acrylic paint for the coating of commercial vehicles, facade components, and highly-stressed machines and structures; also suitable for application on wood components – such as doors, kitchen panels, etc. – provided that an appropriate primer/filler is used in advance.

Core data

Properties	Delivery viscosity	DIN 4 mm 140 - 160 s	
	Binder	Polyurethane acrylic system	
	Density	Approx. 1.2 kg/l	
	Solid state	53-60% by weight	
	Mixing ratio	3 : 1 by weight PU Härter 100	
		2 : 1 by volume PU Härter 100	
	Temperature resistance	Constant	150 °C
		exposure:	
		Short-term	180 °C
	exposure:		
	Pot life	1 h at 20°C	
	Gloss level	> 80 % / 60° (high gloss) - DIN 67 530	
	Storage life	Store in well-sealed original container for 2 years at 5 - 25°C.	
VOC	39.93 %		
Processing temperature	From +10° C and up to 80% relative humidity		
Environmental label	G		

Substrate / Processing

Substrates

Iron, steel: Clean, sand where necessary (remove rust, scale, rolling skin) and degrease with silicone remover.

Zinc Ammoniacal wetting agent.

Aluminium: Clean, sand and degrease with silicone remover.

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
Compressed air (cup gun)	3 – 5	–	1.3 – 1.5
Airless	120 – 150	–	0.28–0.33 (65–95°)
HVLP	2.5 – 3	–	1.3 – 1.4

Dilution	Viscosity (s)	Addition (%)	Thinner
Compressed air (cup gun)	–	10 – 25	F 6290 Universalverdünner F 8096 Nitro- Universalverdünner
Airless	–	–	Unverdünnt
HVLP	–	10 – 25	F 6290 Universalverdünner F 8096 Nitro- Universalverdünner

Drying at 20 °C	Dust-dry (TG1) Touch-dry (TG4) Ready for installation (TG6)	After approx. 25 - 30 minutes After approx. 2 - 3 hours After approx. 6 - 8 hours
Drying at 60 °C	Ready for installation (TG6)	After approx. 30 minutes
	Final hardness is achieved after 5-6 days.	

Structure	External structure of materials Primer: Docamin primer (coat thickness: approx. 30 µm) Top coat: 2x Durospace 90 (dry layer thickness per pass: approx. 60 µm)
Coverage	4.9 – 6.8 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.

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.