DUROCAL 10 KLARLACK

2-component polyurethane top coat, matt, solvent-based, for interior and exterior applications

Technical information Version
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SYSTEMLACK swiss quality

Durocal 10 Klarlack has outstanding weather resistance and resistance to fading. This clear coat stands out for its excellent adhesion, hardness, abrasion resistance and durability. Rapid surface and through drying enable users to work cost-effectively. Once hard, the coating offers high mechanical and chemical resistance. Hardening relies on an aliphatic isocyanate. Durocal 10 Klarlack is characterised by very low overspray formation.

Beschreibung

Areas of application	For painting commercial vehicles, plant and machinery, metal façades and metal structures.	

Core data

Properties	**Delivery viscosity**	Pasty (stir well before use)
	Density	Approx. 1.03 kg/l
	Solid state	Comp. A: approx. 55% (white) Mixed: approx. 56% (white)
	Mixing ratio	4 : 1 by weight
	Temperature resistance	Constant exposure: 130 °C Short-term exposure: 160 °C
	Pot life	Approx. 2 h (undiluted)
	Gloss level	Matt
	Flash point	23 °C
	Tintable	Not tintable
	Storage life	Store in well-sealed original container for 2 years at 5 - 25°C.
	Processing temperature	Do not process below + 8°C (object temperature), ideal temperature range 15 - 22°C.
	Environmental label	G
	Highlight	2-component acrylic polyurethane-based clear coat

Substrate / Processing

Substrates	The substrate must be prepared according to the usual requirements: free from rust, grease, oil and scale, as well as clean and dry. Depending on the type of substrate (metal, wood, plastic), suitable pre-treatment or primer coating is necessary.
Application	Spray application, can be diluted with 0–5% cellulose thinner, universal thinner or Durocal thinner.
Drying	**Dust-dry (TG1)** After approx. 30 minutes **Touch-dry (TG4)** After approx. 8 hours **Reworkable** After approx. 2 - 3 hours **Fully dried** After approx. 8 days The drying time depends on the relative air humidity, air and object temperatures and coating thickness. The data was determined for standard conditions at 20°C room temperature and 65% relative humidity. The hardening of the film can be greatly accelerated by raising the temperature (30–90 minutes at 60–85°C) (it is essential to observe a flash-off time of at least 20 minutes).
Coverage	8 – 10 m^2/kg Consumption depends on the application method, the texture of the substrate and the coating thickness. The stated values are average figures from practice.
Tool cleaning	Clean immediately and thoroughly with thinner (e. g. universal or cellulose 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	▪ Electrostatically processable ▪ Temperature resistance short-term exposure 160°: optical changes can also occur at lower temperatures. However, functionality is still guaranteed.

Quality and environment

System coatings for coordinated surfaces in terms of colour, gloss, effect and texture.This is made possible by DOLD's wet paint expertise and IGP's powder coating expertise. In many areas of application, adjacent components of an object are made up of materials that are produced by different suppliers and finished by different coaters. In such cases, system coatings from DOLD and IGP create colour consistency and aesthetics. Comprehensive coating solutions from a single source - advice and service included.

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 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.