

DOCO-SPRAY

Silk matt 1K thick-film coating, water-based, for interiors

Technical information Version

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ColorSystem



swiss  quality

Using the latest polymer technology, this product achieves extreme scratch and abrasion resistance. Specially developed for fast, efficient coating of challenging objects. The rust film inhibitor makes direct coating on steel possible. Furthermore, the product is certified for use on surfaces in indirect contact with foods.

Beschreibung

Areas of application

Thanks to fast drying and reduced spray mist, this thick-film coating is suitable for a wide range of objects. Due to the specially formulated viscosity, it achieves high coating thicknesses (wet layer thickness up to 400 µm) at optimal flow. A key characteristic of this coating is its fast and excellent block resistance. The rust film inhibitor makes direct coating on steel possible. The coating is supplied ready to use for fast processing. This makes it ideal for door frames, doors and radiators. The reduced masking work required means it is also ideal for renovations (up to 50% time saving compared to conventional systems).

Core data

Properties

Delivery viscosity	Pasty (stir well before use)
Density	Approx. 1.15 kg/l
Solid state	Approx. 45% (white)
Gloss level	Silk matt
Shades (stock shades)	White
Tintable	With DoldColorSystem, manual tinting up to 3% is possible with suitable universal tinting pastes
Processing temperature	The minimum surface temperature over 24 hours is +10°C, ideal temperature range 15 - 22°C.
Adhesive strength	Gt 0-1 (DIN EN ISO 2409)
Test report / certificate	Certified for indirect contact with food
MINERGIE-ECO®	Eco 2
Environmental label	B
EU-Decopaint	2004/42/IIA(i)140(2010)<140
Highlight	Highly resistant surface

Substrate / Processing

Substrates	The substrates must be loadbearing and/or suitably primed or lightly sanded. As a rule, after sanding and adhesion checking, the product can be directly applied onto 1-component coats. The substrate must meet the usual requirements: dry, clean and free from dust. Renovations: - Intact existing coatings can generally be touched up or recoated directly with Doco Spray after sanding. - Existing coatings that are not intact or areas with significant damage should first be coated with appropriate primers (e.g., Aqua Universal Primer, Dolwaprim, or Wood Primer). - Minor areas and light scratches can usually be touched up by dabbing with Doco Spray (diluted 25% with water).	
Application	Airless spraying Use undiluted Filter screen, use large mesh size Spray angle 20 – 50° Nozzle 0.008 – 0.01" Spray pressure 60 – 80 bar	
Drying	Dust-dry (TG1) After approx. 1 hours Touch-dry (TG4) After approx. 1 hours Reworkable After approx. 5 hours Fully dried After approx. 48 hours 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.	
Coverage	4 – 7 m²/kg 6 – 8 m²/l 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	Immediately wash out thoroughly with water, possibly with soft soap. Remove dried layers 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

- Due to their pigments, brilliant and intensive colours (in the spectrum yellow, orange, red etc. have a lower opacity. A second coat may be necessary.
- In the case of intensive and dark colours, mechanical strain can cause pigment abrasion on the painted surface. This complies with the state of current technology for silk-matt coatings and is not a reason for compliant.
- Remove adhesive tape immediately after application or sufficient drying. Due to increased moisture (surroundings or bordering areas, e.g. plastered surfaces), swelling typical for 1K water- based coatings can occur in the form of a temporary loss of adhesion. This loss of adhesion is reversible!
- Observe the instructions of the adhesive tape supplier.
- The combination of insulating and barrier primers (such as Isoprim Aqua) can lead to cracking. It is essential to pay close attention to environmental conditions, drying times, and coat thicknesses.

Quality and environment



The DOLD ColorSystem is designed as a colour mixing system. It makes you independent of expensive storage and gives you the decisive flexibility in the delivery area. ColorSystem colour concentrates are universal colour pastes with high-quality pigmentation for the production of RAL, NCS, IGP and many other colour shades in the DOLD ColorSystem.



The product can be used as a coating for indirect contact with food and was examined for its substance migration by means of GC-MS screening analysis and for its sensory behaviour (sensory influence on food) in indirect contact with food. Regulation (EC) No 1935/2004 was used for the evaluation.



The evaluation of paints and varnishes according to the MINERGIE-ECO® standard is based on the environmental label of the Stiftung Farbe Schweiz. Dold AG declares all products on the basis of the environmental label and offers solutions and products for all applications that comply with the MINERGIE-ECO® standard.



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 Klima 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.