

DOCAMIN GRUNDIERUNG WV

2-component epoxy resin primer, water-based, for interior and exterior applications

Technical information Version
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swiss  quality

Docamin Grundierung WV is a water-dilutable, chromate-free 2K epoxy resin-zinc phosphate primer with exceptional corrosion protection properties. It offers excellent adhesion, even on difficult substrates, and good sandability.

Beschreibung

Areas of application For mechanically stressed parts in the chemical, vehicle, mechanical engineering and metalworking industries, for interior and exterior use. As a primer and adhesion agent on critical substrates in the decorating industry.

Core data

Properties	Delivery viscosity	Pasty (stir well before use)
	Density	Approx. 1.43 kg/l
	Solid state	Comp. A Approx. 64% (white) Weight mixed Approx. 59% (white) Weight mixed Approx. 47% (white) Volume
	Texture	Smooth
	Mixing ratio	6 : 1 by weight (Docamin Grundierung WV Härter NEU)
	Pot life	Approx. 3h (at 20 °C) Caution: The end of pot life is not associated with an increase in viscosity. Exceeding the pot life results in a reduction of resistance to mechanical and chemical influences.
	Gloss level	Silk matt
	Shades (stock shades)	White
	Tintable	Not suitable for tinting with DoldColorSystem, manual tinting up to 3% is possible with suitable universal tinting pastes
	Storage life	Store in tightly closed original container for 1 year at 5 - 25°C.
	Processing temperature	Do not process below + 5°C (object temperature), ideal temperature range 15 - 22°C. Protect from direct sunlight.
	Adhesive strength	Gt 0-1 (DIN EN ISO 2409)
	MINERGIE-ECO®	Eco 2
	Environmental label	C

Highlight

Very good adhesion to various substrates

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. Docamin Grundierung WV can be used on steel, iron, cast materials, zinc (ammoniacal wetting agent), aluminium (sand and degrease) and nonferrous metals, chrome-plated steel, fibre cement, various plastics and more.

Application	Material pressure (bar)	Atomizer pressure (bar)	Nozzle (mm)
Airless	>150	–	0.25 – 0.33
HVLP	4 – 5	–	1.8 – 2.0

Dilution	Viscosity (s)	Addition (%)	Thinner
Airless	–	–	–
Painting/rolling	–	–	–
HVLP	–	0 – 5	Demineralised water / tap water

Drying at 20 °C	Dust-dry (TG1)	After approx. 60 minutes
	Touch-dry (TG4)	After approx. 6 hours
	Ready for installation (TG6)	After approx. 16 hours
	Ready for overpainting	After approx. 7 hours

Drying at 40 °C	Ready for installation (TG6)	After approx. 2 hours
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Drying at 60 °C	Ready for installation (TG6)	After approx. 1 hours
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Drying can be accelerated by increasing the air speed. Optimum drying conditions: 35-45°C at an air speed of 0.4 m/s.

Structure
Iron / Steel / Zinc
 Priming Docamin Primer WV (film thickness: 50-70 µm).
 Top coat with all Dold 1K or 2K products, solventborne or waterborne

Aluminum / Plastics
 Primer Docamin Primer WV (film thickness: 25-30 µm)
 Top coat with all Dold 1K or 2K products, solventborne or waterborne

Coverage
 4 – 5 m²/kg
 at a dry layer thickness of 80 µm
 Consumption depends on the application method, the texture of the substrate and the coat thickness. The stated values are average figures from practice.

Tool cleaning Wash out thoroughly with water immediately. Remove dried layers with universal 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 Intermediate sanding required if allowed to dry for longer than 3 days.

Quality and environment

ecobau

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.



STIFTUNG FARBE

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.



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 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.