DR. DEMUTH
DERISOL LACKFARBEN

Sustainability Datasheet

1K-Derocryl DTM Hydro

Product description

Waterborne one-component coating based on an acrylate dispersion. For further product information please refer to the technical datasheet.

Ingredients

organic solvent content	approx. 4 wt.%
VOC level	approx. 41 g/l
CMR substances	not a recipe ingredient
PBT und vPvB substances	not a recipe ingredient
endocrine disruptors	not a recipe ingredient
per-/polyfluoroalkyl substances (PFAS)	not a recipe ingredient
polymer microparticles	approx. 28 wt.%

Compliances

Decopaint directive (Directive 2004/42/EC)	fulfills category d type wb »Metal paints for building structures« maximum permissible value: 130 g/l – calculated value: 41 g/l
RoHS directive (Directive 2011/65/EU)	does not contain hazardous substances, in concentrations or applications whose placing on the market is prohibited
Corrosion protection class (DIN EN ISO 12944-6)	fulfills corrosivity category C3 high at 140 µm built up on Derocryl Grund Hydro GT
GISCODE (TRGS 610)	BSW30 coating materials, waterbased, contains solvents

This product falls within the scope of the EPD »Water-based one-component coatings for industrial applications« issued by the Association of the German Coatings and Printing Inks Industry (VdL).
Institut Bauen und Umwelt e.V. (IBU), Declaration No. EPD-VDL-20260182-CBP1-EN

Management systems

Dr. Demuth Derisol Lackfarben GmbH & Co. KG is certified in accordance with the following standards:

ISO 9001 DEKRA Certification — Quality Management

certification valid until 14 Nov. 2027

ISO 14001 DEKRA Certification — Environmental Management

certification valid until 11 Jan. 2029

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Building certification - according to DGNB

Suitability of the product/system for the individual quality levels in according to the criteria matrix of the DGNB criterion **ENV1.2** »**Risks for the local environment**« (version 2023).

Quality Levels	Q1 Bronze	Q2 Silver	Q3 Gold	Q4 Platinum
Line 1 Decorative coatings on non-mineral substrates.	VOC level < 300 g/l	VOC level < 130 g/l	VOC level < 100 g/l	DE-UZ 12a alternatively < 100 g/l (workside)
1K-Derocryl DTM Hydro film thickness: 80 µm	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ⓘ **alternative**
Line 16 Structural metal components with more than 500 m² of coated surface in the building. Corrosion category ≤ C2 high. For interior components.	VOC level < 300 g/l	VOC level < 140 g/l water-dilutable	VOC level < 140 g/l water-dilutable	VOC level < 100 g/l water-dilutable
1K-Derocryl DTM Hydro film thickness: 80 µm	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**
Line 17 Structural metal components with more than 500 m² of coated surface in the building. Corrosion category ≤ C3 high.	VOC content < 120 g/m²	VOC content < 90 g/m²	VOC content < 60 g/m²	VOC content < 30 g/m²
Derocryl Grund Hydro GT **+ 1K-Derocryl DTM Hydro** film thickness: 80 + 60 µm	10 g/m² ✓ **fulfilled**	10 g/m² ✓ **fulfilled**	10 g/m² ✓ **fulfilled**	10 g/m² ✓ **fulfilled**
Line 18 Structural metal components with more than 500 m² of coated surface in the building. Corrosion category > C3 high.	VOC content < 150 g/m²	VOC content < 120 g/m²	VOC content < 90 g/m²	VOC content < 60 g/m²
2K-Hydropox Protec ZP **+ 1K-Derocryl DTM Hydro** film thickness: 160 + 80 µm	21 g/m² ✓ **fulfilled**	21 g/m² ✓ **fulfilled**	21 g/m² ✓ **fulfilled**	21 g/m² ✓ **fulfilled**
Line 19 Non-structural metal components with more than 10 m² of coated surface in the building.	VOC level < 300 g/l	VOC level < 300 g/l	VOC level < 140 g/l water-dilutable	VOC level < 140 g/l water-dilutable
1K-Derocryl DTM Hydro film thickness: **80 µm**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**	41 g/l ✓ **fulfilled**
Alternative for factory pre-coated metal components (workside): Verifiable compliance with the statutory limit values set out in the 31st BImSchV and Directive 2010/75/EU, based on up-to-date monitoring reports accepted by the public authorities.				

product group: AD7721 ***updated: 11 Nov. 2026, version 2.1 EN***

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