

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.%	(depending on the color tone)
VOC value	approx. 91 g/l	(depending on the color tone)
hazardous ingredients (according to CLP regulation)	see Safety Datasheet (chapters 2 and 3)	
CMR substances	not a recipe ingredient	
PBT und vPvB substances	not a recipe ingredient	
Lead, Cadmium, Chromium(VI)	not a recipe ingredient, according to DGNB criterion ENV1.2	
free formaldehyde	not a recipe ingredient, according to VdL regulation 01	
halogenated hydrocarbons	not a recipe ingredient	

Building certification - according to DGNB

Suitability of the product/system for the individual quality levels according to the criteria matrix of the DGNB criterion ENV1.2 "Risks for the local environment", versions 2015 to 2023.

Quality level	1	2	3	4
Row 16 Structural metal components with more than 500 m ² of coated surface in the building. Corrosivity category max. C2 high for interior components. (construction and factory)	VOC < 300 g/l	VOC < 140 g/l water-dilutable	VOC < 140 g/l water-dilutable	VOC < 100 g/l water-dilutable
1K-Derocryl DTM Hydro Film thickness: 80 µm	fulfilled	fulfilled	fulfilled	fulfilled
Row 17 Structural metal components with more than 500 m ² of coated surface in the building. Corrosivity category max. C3 high. (construction and factory)	VOC < 120 g/m ²	VOC < 90 g/m ²	VOC < 60 g/m ²	VOC < 30 g/m ²
Derocryl Grund Hydro GT + 1K-Derocryl DTM Hydro Film thickness: 80 + 60 µm	fulfilled	fulfilled	fulfilled	fulfilled

Row 18 Structural metal components with more than 500 m ² of coated surface in the building. Corrosivity category higher than C3 high. (construction and factory)	VOC < 150 g/m ²	VOC < 120 g/m ²	VOC < 90 g/m ²	VOC < 60 g/m ²
2K-Hydropox Protec ZP + 1K-Derocryl DTM Hydro Film thickness: 160 + 80 µm	fulfilled	fulfilled	fulfilled	fulfilled
Row 19 Non-structural metal components with more than 10 m ² of coated surface in the building. (construction and factory)	VOC < 300 g/l	VOC < 300 g/l	VOC < 140 g/l water-dilutable	VOC < 140 g/l water-dilutable
1K-Derocryl DTM Hydro Film thickness: 80 µm	fulfilled	fulfilled	fulfilled	fulfilled
Alternative for metal components pre-painted at the factory: Verification of the legal limit values according to 31st BImSchV on the base of current, officially accepted monitoring protocols by the coater (equivalent to quality level 4)				

Examinations / Approvals

Decopaint directive (Directive 2004/42/EC)	fulfills category d type wb „Metal paints for building structures“ maximum permissible value: 130 g/l calculated value: 91 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	BSW30

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