DR. DEMUTH
DERISOL LACKFARBEN

Sustainability Datasheet

2K-Hydropox Lack

Product description

Waterborne two-component epoxy-based coating, chemically cured with polyamine adduct. Good processing properties and fast curing. For further product information please refer to the technical datasheet.

Ingredients

organic solvent content	approx. 5 wt.%	(depending on the color tone)
VOC value (mixed)	approx. 130 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 m² 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
2K-Hydropox Lack Film thickness: 80 µm	**fulfilled**	**fulfilled**	**fulfilled**	**not fulfilled**
Row 17 Structural metal components with more than 500 m² of coated surface in the building. Corrosivity category max. C3 high. (construction and factory)	VOC < 120 g/m²	VOC < 90 g/m²	VOC < 60 g/m²	VOC < 30 g/m²
2K-Hydropox Lack Film thickness: 80 µm	**fulfilled**	**fulfilled**	**fulfilled**	**fulfilled**

Row 18 Structural metal components with more than 500 m² of coated surface in the building. Corrosivity category higher than C3 high. (construction and factory)	VOC < 150 g/m²	VOC < 120 g/m²	VOC < 90 g/m²	VOC < 60 g/m²
2K-Hydropox Protec ZP **+ 2K-Hydropox Lack** Film thickness: 120 + 80 µm	**fulfilled**	**fulfilled**	**fulfilled**	**fulfilled**
Row 19 Non-structural metal components with more than 10 m² 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
2K-Hydropox Lack 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: 130 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 80 µm
GISCODE	**RE05**

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Article group: ED7004501000 *Version: 30-01-2024*

Dr. Demuth Derisol Lackfarben GmbH & Co. KG
Hillerser Straße 8
37154 Northeim, Germany

Tel. +49 (0) 5551 9794-0
Fax + 49 (0) 5551 9794-30
Mail: info@dr-demuth.com
www.dr-demuth.com