

Sustainability Datasheet

2K-Hydropox Protec ZP

Product description

Waterborne two-component primer with active anti-corrosion pigment based on epoxy resin, chemically cured with polyamine adduct. Good processing properties with high mixing viscosity. 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. 126 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
2K-Hydropox Protec ZP Film thickness: 80 µm	fulfilled	fulfilled	fulfilled	not 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
2K-Hydropox Protec ZP + 2K-Hydropox Lack Film thickness: 80 + 80 µm	fulfilled	fulfilled	fulfilled	not 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 + 2K-Hydropox Lack 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
2K-Hydropox Protec ZP 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: 126 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 160 µm built with 2K-Hydropox Lack
GISCODE	RE05

The general information and descriptions contained in this datasheet are given to the best of our knowledge. Our information and data do not represent a guaranteed property in legal sense. Advice on application technology, whether given verbally, in writing or by means of trials, is given only in general terms, also regarding any property rights of third parties. Our general advice does not release you from your obligation to test the products supplied by us for the intended processes and purposes. This applies in particular if products supplied by us are used together with third party products. The application, use and processing of the products are beyond our control and are therefore exclusively your responsibility. In all other respects, our General Terms and Conditions of Sale and Delivery shall be deemed to have been agreed.

Article group: EG7005705400

Version: 29-01-2024

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