

Sustainability data sheet

ARDEX EP 500

2C epoxy primer

Solvent-free, low viscous, unfilled two-component epoxy resin. System primer under ARDEX S2-K PU. Primer for absorbant and tight subfloors, indoor and outdoor. Applicable without sanding Thixotropic adjustment for wall and floor areas.

Emissions

According GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V., Düsseldorf)

EMICODE® EC 1^{PLUS},
very low emission



According French VOC Classification

A+



solvent-free

EPD (Environmental Product Declaration)

ARDEX EP 500 corresponds to FEICA EPD:

EPD-FEI-20150298-IBG1-EN

Technical Assessment

According GISBAU (TRGS 610, Technische Regeln für Gefahrstoffe):

GISCODE RE30 – epoxy resin products, sensitizing, total solid

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Sustainable Building

Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX EP 500 can be classified as epoxy surface coating of floor, ceiling and wall – also in system structures.

Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

ARDEX EP 500 fulfills the requirements: Nonylphenol < 0,1 %, Dodecylphenol < 0,1 %, Bisphenol A < 0,1 % and p.-tert. Butylphenol < 0,1 %, has the GISCODE RE30 and is certified by EMICODE® EC 1^{PLUS}, very low emission, based on GEV.

ARDEX EP 500 fulfills the requirements for highest Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX EP 500 can be classified as epoxy surface coating of floor, ceiling and wall – also in system structures.

Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

ARDEX EP 500 is certified by EMICODE® EC 1^{PLUS}, very low emission, based on GEV.

ARDEX EP 500 fulfills the requirements for highest Quality Level 4.

Accordinging LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX EP 500 meets the requirements according EMICODE® EC 1^{PLUS}, very low emission, based on GEV which are accepted by LEED.

ARDEX EP 500 meets the requirements and contributes to achieving one LEED point under EQ: Low Emitting Materials.

MR: Building Product Disclosure and Optimization – Environmental Product Declaration

ARDEX EP 500 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX EP 500 fulfills the requirements and contributes to achieving a LEED point under MR: Building Product Disclosure and Optimization – Environmental Product Declaration.

Version 2009

IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants

The permitted limit value in the category ‘Primers, Sealers and Undercoaters‘ according SCAQMD Rule 1113 is 100 g/L. The VOC value of ARDEX EP 500 according SCAQMD Rule 1113 is < 100 g/L.

ARDEX EP 500 meets the requirements and contributes to achieving one LEED point under IEQ: Low Emitting Materials.

MR Credit 5.1 und 5.2: Regional Materials

Production site: 58453

Distance Production site – Project site < 800 km

Products that are used regionally within a 500 mile (800 kilometer) can be contributed to achieving one LEED point.

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Notice: This data sheet has been compiled based on state-of-the-art technology and our experience. In spite of diligent treatment of all information ARDEX GmbH cannot guarantee the actuality or correctness of the published data. The interpretation of building certification criteria can differ and depend on the project and scope of application. The content of these data sheet does not manifest any legal relationship. Additionally, the current information given in the Technical and the Material Safety Data Sheet have to be considered.

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Witten, 14/12/2020

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