

Sustainability data sheet

ARDEX B 10

Screeding and concrete repair

For closing fine cracks and pores in concrete surfaces. For finishing filling after concrete repairs. Easy to process and post-treat.

Emissions

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



According Emission Classification of Building Materials -

solvent-free

EPD (Environmental Product Declaration)

ARDEX B 10 corresponds to FEICA EPD:

EPD-FEI-20160042-IBG1-EN

According BASTA

ARDEX B 10 is BASTA registered.

BASTA registration means that we can verify that this product meets agreed properties criteria regarding properties hazardous to the environment and health. See www.bastaonline.se



Technical Assessment

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

GISCODE ZP1 - cementitious product, low-chromate

Classification according EN 1504-3:2006

Products and systems for the protection and repair of concrete structures
Part 3: Structural and non-structural repair

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Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX B 10 is classified in the group of coatings on predominantly mineral interior substrates, such as concrete, masonry, mortar and putty (e.g. concrete putty). Floor surfaces with special resistance requirements (such as OS systems) and traffic routes such as underground garages, access roads, as well as visible and decorative screeds are not considered.

ARDEX B 10 has a VOC content of <5 g/l. Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

ARDEX B 10 fulfills the requirements for highest Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX B 10 is classified in the group of coatings on predominantly mineral interior substrates, such as concrete, masonry, mortar and putty (e.g. concrete putty). Floor surfaces with special resistance requirements (such as OS systems) and traffic routes such as underground garages, access roads, as well as visible and decorative screeds are not considered.

ARDEX B 10 is free of solvents and plasticizers according to VdL-RL01. Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

ARDEX B 10 fulfills the requirements for highest Quality Level 4.

Accordinging LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX B 10 does not meet the requirements according EMICODE® based on GEV which are accepted by LEED.

ARDEX B 10 does not meet the requirements.

MR: Building Product Disclosure and Optimization – Environmental Product Declaration

ARDEX B 10 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX B 10 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

Cement based renders are not directly described by LEED. But the permitted limit value in the category coatings is 50 g/L. The VOC value of ARDEX B 10 is < 50 g/L.

ARDEX B 10 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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According BREEAM-NOR (Building Research Establishment Environmental Assessment Methodology)

Version 2016

BREEAM-NOR criteria Hea 02 Indoor air quality

ARDEX B 10 does not fulfill the required emission limits.

ARDEX B 10 does not meet the requirements according BREEAM-NOR.

According Nordic Swan Ecolabelling

ARDEX B 10 is listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings.

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, 17/06/2019

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