

Sustainability data sheet

ARDEX A 18

Screed Bonding Cement with Colour Indicator

When mixed with water, ARDEX A 18 produces a slurry ideal for bonding ARDEX Screed Cements. It can also be used for joining daywork joints when a new bay is laid against a set and hardened screed.

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 A 18 corresponds to FEICA EPD:

EPD-DBC-20220217-IBF1-EN

Technical Assessment

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

GISCODE ZP1 - cementitious product, low-chromate

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Ultra Rapid Drying Cement for Internal Screeds

Sustainable Building

Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX A 18 is not relevant to the evaluation according DGNB.

ARDEX A 18 has the GISOCDE ZP1 and is certified by EMICODE® EC 1^{PLUS}, very low emission, based on GEV.

ARDEX A 18 fulfills the requirements for highest Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX A 18 is not relevant to the evaluation according DGNB.

ARDEX A 18 is certified by EMICODE® EC 1^{PLUS}, very low emission, based on GEV.

ARDEX A 18 fulfills the requirements for highest Quality Level 4.

Accordinging LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX A 18 meets the requirements according EMICODE® EC 1^{PLUS}, very low emission, based on GEV which are accepted by LEED.

ARDEX A 18 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 A 18 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX A 18 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 floor screeds are not directly described by LEED. But the permitted limit value in the category coatings according SCAQMD Rule 1113 is 50 g/L. The VOC value of ARDEX A 18 is < 50 g/L.

ARDEX A 18 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 (Building Research Establishment Environmental Assessment Methodology)

Version 2016

BREEAM criteria Hea 02 Indoor air quality

ARDEX A 18 can be classified as Flooring materials (including floor levelling compounds and resin flooring). ARDEX A 18 meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX A 18 is certified by EMICODE® EC 1^{PLUS}, very low emission, based on GEV.

ARDEX A 18 meets the requirements according BREEAM and contributes to achieving one credit under Hea 02 Indoor air quality.

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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