

Sustainability data sheet

ARDEX RG 12 1-6

Epoxy Grout

ARDEX RG 12 1-6 is an epoxide tile grout and adhesive with excellent resistance to most chemicals but, unlike traditional epoxy grouts, it is easy to apply, requires no special tools, and can be cleaned off the tile surface up to 60 minutes after application.

Emissions

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

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



According Emission Classification of Building Materials

M1



solvent-free

EPD (Environmental Product Declaration)

ARDEX RG 12 1-6 corresponds to FEICA EPD:

EPD-FEI-20150300-IBG1-EN

Technical Assessment

Meets the requirements according to EN 13888

RG, reactive resin-grout mortar

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

GISCODE RE1 – solvent-free

ARDEX GmbH

Friedrich-Ebert-Straße 45

58453 Witten

www.ardex.de

Tel.: +49 2302 664-511

Fax: +49 2302 664-298

kundendienst@ardex.de

www.ardex.de



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Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX RG 12 1-6 can be classified as „Primers, primer coatings, putties and adhesives under wall and floor coverings (eg. Tiles, carpets, wooden floors, resilient flooring – except wallpaper)“.

ARDEX RG 12 1-6 has the GISOCDE RE1 and is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX RG 12 1-6 fulfills the requirements for Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX RG 12 1-6 can be classified as „Primers, primer coatings, putties and adhesives under wall and floor coverings (eg. Tiles, carpets, wooden floors, resilient flooring – except wallpaper)“.

ARDEX RG 12 1-6 is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX RG 12 1-6 fulfills the requirements for Quality Level 4.

Accordinging LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX RG 12 1-6 meets the requirements according EMICODE® EC 1^{PLUS} R, very low emission, based on GEV which are accepted by LEED.

ARDEX RG 12 1-6 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 RG 12 1-6 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX RG 12 1-6 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, sealings and undercoatings according SCAQMD Rule 1168 is 65 g/L. The VOC value of ARDEX RG 12 1-6 according SCAQMD Rule 1168 is < 65 g/L.

ARDEX RG 12 1-6 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 RG 12 1-6 fulfills the required emission limits and is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV and by M1 which is accepted as documentation.

ARDEX RG 12 1-6 meets the requirements according BREEAM-NOR 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.

ARDEX GmbH
Witten, 14/02/2018

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