

Sustainability data sheet

ARDEX K 301 MIX

Exterior Self-Smoothing Levelling and Resurfacing Compound

For filling, straightening and levelling of floor surfaces before and outside. Suitable as resurfacing in areas such as single garages etc. For the straightening of floor surfaces in wet rooms, areas with continuous water impact, on balconies and terraces before laying tiles, clinker and coatings and for painting with concrete paints.

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 K 301 MIX corresponds to FEICA EPD: **EPD-FEI-20160042-IBG1-EN**

According BASTA

ARDEX K 301 MIX 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

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According DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX K 301 MIX 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 K 301 MIX has the GISCODE ZP1. This GISCODE is no evaluation-relevant factor according DGNB.

ARDEX K 301 MIX fulfills the requirements for Quality Level 1.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX K 301 MIX 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 K 301 MIX has the GISCODE ZP1.

ARDEX K 301 MIX fulfills the requirements for highest Quality Level 4.

According LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX K 301 does not meet the requirements according EMICODE® on GEV which are accepted by LEED.

ARDEX K 301 MIX does not meet the requirements.

MR: Building Product Disclosure and Optimization – Environmental Product Declaration

ARDEX K 301 MIX corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX K 301 MIX 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 filling compound are not directly described by LEED. But the permitted limit value in the category coatings is 50 g/L. The VOC value of ARDEX K 301 MIX is < 50 g/L.

ARDEX K 301 MIX 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 K 301 MIX does not fulfill the required emission limits.

ARDEX K 301 MIX does not meet the requirements according BREEAM-NOR.

According Nordic Swan Ecolabelling

ARDEX K 301 MIX 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, 28/08/2019

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