Sustainability data sheet

ARDEX K 14

Rapid Drying Sub-Floor Levelling and Smoothing Compound

Filling and balancing of cement, poured asphalt and calcium sulfate screeds, concrete floors and other suitable substrates for the absorption of textile and elastic floor coverings, tiles and slabs as well as parquet. For indoor applications.

Emissions		
According GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V., Düsseldorf)	**EMICODE® EC 1 R,** very low emission	
According Emission Classification of Building Materials	**M1**	
solvent-free		

EPD (Environmental Product Declaration)	
ARDEX K 14 corresponds to FEICA EPD:	**EPD-FEI-20160017-IBG1-EN**

According BASTA	
ARDEX K 14 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 2015
DGNB criteria ENV 1.2: Local environmental impact
ARDEX K 14 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 14 has the GISCODE ZP1 and is certified by EMICODE® EC 1 R, very low emission, based on GEV.

ARDEX K 14 fulfills the requirements for highest Quality Level 4.

Version 2015
DGNB criteria ENV 1.2: Local environmental impact
ARDEX K 14 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 14 is certified by EMICODE® EC 1 R, very low emission, based on GEV.

ARDEX K 14 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 14 meets the requirements according EMICODE® EC 1 R, very low emission, based on GEV which are accepted by LEED.

ARDEX K 14 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 K 14 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX K 14 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 14 is < 50 g/L.

ARDEX K 14 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 14 fulfills the required emission limits and is certified by EMICODE® EC 1 R, very low emission, based on GEV and by M1 which is accepted as documentation.

ARDEX K 14 meets the requirements according BREEAM-NOR and contributes to achieving one credit under Hea 02 Indoor air quality.

According BREEAM (Building Research Establishment Environmental Assessment Methodology)

Version 2016
BREEAM criteria Hea 02 Indoor air quality
ARDEX K 14 can be classified as Flooring materials (including floor levelling compounds and resin flooring). ARDEX K 14 meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.
ARDEX K 14 is certified by EMICODE® EC 1 R, very low emission, based on GEV.

ARDEX K 14 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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Witten, 09/02/2018

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