

# Sustainability data sheet

## ARDEX GK

### Loud grout

For grouting of tiles based offine stone ware, stone ware, moisture-resistant nature- and artificialstone panels, split and brick tiles. Particularly for areas with high mechanical and chemical strain. For grout widths as of 4 mm.

#### Emissions

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

**EMICODE® EC 1<sup>PLUS</sup> R,**  
very low emission



According French VOC Classification

**A+**



solvent-free

#### EPD (Environmental Product Declaration)

ARDEX GK corresponds to FEICA EPD:

**EPD-FEI-20160017-IBG1-EN**

#### According BASTA

ARDEX GK 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](http://www.bastaonline.se)



#### Technical Assessment

##### Meets the requirements according to EN 13888

CG 2 A, Improved cement-based grout mortar with high abrasion resistance

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

**GISCODE ZP1** - cementitious product, low-chromate

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## Sustainable Building

### Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

#### Version 2018

##### **DGNB criteria ENV 1.2: Local environmental impact**

Cement-based loud grouts are not directly described by DGNB. If ARDEX GK could be categorized as tile adhesives, ARDEX GK 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 GK has the GISOCDE ZP1 and is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX GK fulfills the requirements for highest Quality Level 4.**

#### Version 2015

##### **DGNB criteria ENV 1.2: Local environmental impact**

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ARDEX GK is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX GK fulfills the requirements for highest Quality Level 4.**

### Accordinging LEED (Leadership in Energy and Environmental Design)

#### Version 4 (2014)

##### **EQ: Low Emitting Materials**

ARDEX GK meets the requirements according EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV which are accepted by LEED.

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

**ARDEX GK 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 GK according SCAQMD Rule 1168 is < 65 g/L.

**ARDEX GK 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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## Sustainable Building

### According BREEAM-NOR (Building Research Establishment Environmental Assessment Methodology)

#### Version 2016

#### BREEAM-NOR criteria Hea 02 Indoor air quality

ARDEX GK fulfills the required emission limits and is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV which is accepted as documentation.

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

### According Nordic Swan Ecolabelling

**ARDEX GK 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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