

# Sustainability data sheet

## ARDEX E 100 Building dispersion

For closing fine cracks and pores in concrete surfaces. For finishing filling after concrete repairs. Easy to process and post-treat.

### 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 E 100 corresponds to FEICA EPD:

**EPD-FEI-20160084-IBG1-EN**

### According BASTA

ARDEX E 100 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

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

**GISCODE D1** - solvent-free dispersion installation products

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## Sustainable Building

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

#### Version 2018

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

ARDEX E 100 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 E 100 has the GISOCDE D1.

**ARDEX E 100 fulfills the requirements for Quality Level 1.**

#### Version 2015

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

ARDEX E 100 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 E 100 has the GISOCDE D1.

**ARDEX E 100 fulfills the requirements for Quality Level 1.**

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

#### Version 4 (2014)

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

ARDEX E 100 does not meet the requirements according EMICODE® based on GEV which are accepted by LEED.

**ARDEX E 100 does not meet the requirements.**

##### **MR: Building Product Disclosure and Optimization – Environmental Product Declaration**

ARDEX E 100 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

**ARDEX E 100 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 renders are not directly described by LEED. But the permitted limit value in the category coatings is 50 g/L. The VOC value of ARDEX E 100 is < 50 g/L.

**ARDEX E 100 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 E 100 does not fulfill the required emission limits.

**ARDEX E 100 does not meet the requirements according BREEAM-NOR.**

According Nordic Swan Ecolabelling

**ARDEX E 100 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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