

# Sustainability data sheet

## ARDEX A 818

### Wall Levelling Compound Outdoor

Fills cracks, gaps and holes up to 50mm deep. Sets in only 30 minutes. Shrinkage compensated and crack free.

#### Emissions

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

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



According Emission Classification of Building Materials

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solvent-free

#### EPD (Environmental Product Declaration)

ARDEX A 818 corresponds to FEICA EPD:

**EPD-FEI-20160042-IBG1-EN**

#### Technical Assessment

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

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

#### Sustainable Building

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

###### Version 2018

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

ARDEX A 818 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 A 818 has the GISCODE ZP1 and is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX A 818 fulfills the requirements for highest Quality Level 4.**

###### Version 2015

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

ARDEX A 818 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 A 818 is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX A 818 fulfills the requirements for highest Quality Level 4.**

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## Sustainable Building

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

#### Version 4 (2014)

##### EQ: Low Emitting Materials

ARDEX A 818 meets the requirements according EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV which are accepted by LEED.

**ARDEX A 818 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 A 818 corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

**ARDEX A 818 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 A 818 is < 50 g/L.

**ARDEX A 818 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.

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

#### Version 2016

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

ARDEX A 818 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 A 818 meets the requirements according BREEAM-NOR and contributes to achieving one credit under Hea 02 Indoor air quality.**

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According BREEAM (Building Research Establishment Environmental Assessment Methodology)

### Version 2016

#### BREEAM criteria Hea 02 Indoor air quality

ARDEX A 818 can be classified as Flooring materials (including floor levelling compounds and resin flooring). ARDEX A 818 meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX A 818 is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX A 818 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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