

# Sustainability data sheet

## ARDEX S 1-K PLUS / ARDEX S 1-K C PLUS Sealing compound

Waterproof coating for internal use beneath tiles and slabs.

### Emissions

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

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



According French VOC Classification

**A+**



solvent-free

### EPD (Environmental Product Declaration)

ARDEX S 1-K PLUS / S 1-K C PLUS corresponds to **EPD-DBC-20220146-IBF1-EN**  
FEICA EPD:

### Technical Assessment

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

**GISCODE (acrylate dispersion): D1** – solvent-free dispersion installation products

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# ARDEX S 1-K PLUS / S 1-K C PLUS

Sealing compound

## Accordinging DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

### Version 2018

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

ARDEX S 1-K PLUS / S 1-K C PLUS can be classified as barrier coatings, floor resins, sealings under tiles. ARDEX S 1-K PLUS / S 1-K C PLUS has the GISCODE D1 and is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

**ARDEX S 1-K PLUS / S 1-K C PLUS fulfils the requirements for highest Quality Level 4.**

### Version 2015

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

ARDEX S 1-K PLUS / S 1-K C PLUS can be classified as barrier coatings, floor resins, sealings under tiles. ARDEX S 1-K PLUS / S 1-K C PLUS is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

Notice: For products up to 5 % of BGFa (DIN 277) no documentation is required.

**ARDEX S 1-K PLUS / S 1-K C PLUS fulfils the requirements for highest Quality Level 4.**

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

### Version 4 (2014)

#### EQ: Low Emitting Materials

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

**ARDEX S 1-K PLUS / S 1-K C PLUS 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 S 1-K PLUS / S 1-K C corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

**ARDEX S 1-K PLUS / S 1-K C fulfils 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 Sealants - other Sealant according SCAQMD Rule 1168 is 420 g/L. The VOC value of ARDEX S 1-K PLUS / S 1-K C PLUS according SCAQMD Rule 1168 is < 420 g/L.

**ARDEX S 1-K PLUS / S 1-K C PLUS 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 kilometres) can be contributed to achieving one LEED point.

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# ARDEX S 1-K PLUS / S 1-K C PLUS

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According BREEAM (Building Research Establishment Environmental Assessment Methodology)

## Version 2016

### BREEAM criteria Hea 02 Indoor air quality

ARDEX S 1-K PLUS / S 1-K C PLUS can be classified as Interior adhesives and sealants (including flooring adhesives). ARDEX S 1-K PLUS / S 1-K C PLUS meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX S 1-K PLUS / S 1-K C PLUS is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

**ARDEX S 1-K PLUS / S 1-K C PLUS 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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