

Sustainability data sheet

ARDEX SE

Sanitary Sealant for use in Tile Movement Joints

ARDEX SE is an acetoxycuring silicone for applications such as movement joints (between tiles), internal corners (tiled wall and floor) and connecting joints between tiled surface and benchtops, bath edges, cupboards, splashbacks.

Emissions

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

EMICODE® EC 1^{PLUS},
very low emission



According French VOC Classification

A+



solvent-free

EPD (Environmental Product Declaration)

ARDEX SE corresponds to FEICA EPD:

EPD-DBC-20220180-IBF1

According BASTA

ARDEX SE 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 -

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ARDEX SE

Flexible Sealant for use in Tile Movement Joints

Sustainable Building

Accordinging DGNB (German Sustainable Building Council)

Version 2023

DGNB criteria ENV 1.2: Local environmental impact

ARDEX SE can be categorized under Indoor bonding and waterproofing. ARDEX SE has no GISCODE and is certified by EMICODE® EC 1PLUS, very low emission, based on GEV.

ARDEX SE does not fulfil the requirements for DGNB.

Accordinging LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX SE is certified by EMICODE® EC 1PLUS, very low emission, based on GEV, which is accepted by LEED.

ARDEX SE fulfils the requirements and contributes to achieving a LEED point under EQ: Low Emitting Materials.

MR: Building Product Disclosure and Optimization – Environmental Product Declaration

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

ARDEX SE 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 'Architectural Sealant' according SCAQMD Rule 1168 is 250 g/L. The VOC value of ARDEX SE according SCAQMD Rule 1168 is < 250 g/L.

ARDEX SE 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.

Accordinging BREEAM-NOR (Building Research Establishment Environmental Assessment Methodology)

Version 2016

BREEAM-NOR criteria Hea 02 Indoor air quality

ARDEX SE can be classified as Sealants like elastic or plastic sealants bases on polyurethane, silicone, MS, acrylic or other.

ARDEX S 1-K fulfils the required emission limits and is certified by EMICODE® EC 1, very low emission, based on GEV which is accepted as documentation.

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

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Accordinging Nordic Swan Ecolabelling

ARDEX SE is listed in the database for building products that can be used in Nordic Swan Eco labelled 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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Witten, 08/07/2024

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