

# Sustainability data sheet

## ARDEX X 7 G FLEX

### Flexible Tile Adhesive

For installation and laying of tiles based on stone ware and fine stone ware, glass mosaics and porcelain, artificial stone panels and nature stone panels, which are moisture resistant, fine stone panels indoors. Installation of suitable building panels, e.g. plasterboard, insulationboards based on rigid foam and mineral fibre, tile elements. In- and outdoors, wall and floor.

#### 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 X 7 G FLEX corresponds to FEICA EPD:

**EPD-DBC-20220217-IBF1-EN**

#### Technical Assessment

##### Meets the C2 requirements according to EN 12004

C2 TE, Cement mortar for increased requirements with additional characteristic values early adhesive extended open time (E) and reduced slipping (T).

##### Meets the S1 requirements according to EN 12002

S1 deformability > 2,5 mm

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

ARDEX X 7 G FLEX 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 X 7 G FLEX has the GISOCDE ZP1 and is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

**ARDEX X 7 G FLEX fulfills the requirements for highest Quality Level 4.**

#### Version 2015

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

ARDEX X 7 G FLEX 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 X 7 G FLEX is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

**ARDEX X 7 G FLEX fulfills the requirements for highest Quality Level 4.**

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

#### Version 4 (2014)

##### EQ: Low Emitting Materials

ARDEX X 7 G FLEX meets the requirements according EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV which are accepted by LEED.

**ARDEX X 7 G FLEX meets the requirements and contributes to achieving one LEED point under EQ: Low Emitting Materials.**

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

X 7 G FLEX corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

**ARDEX X 7 G FLEX 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 X 7 G FLEX according SCAQMD Rule 1168 is < 65 g/L.

**ARDEX X 7 G FLEX 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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According BREEAM (Building Research Establishment Environmental Assessment Methodology)

### Version 2016

#### BREEAM criteria Hea 02 Indoor air quality

ARDEX X 7 G FLEX can be classified as Interior adhesives and sealants (including flooring adhesives). ARDEX X 7 G FLEX meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX X 7 G FLEX is certified by EMICODE® EC 1<sup>PLUS</sup>, very low emission, based on GEV.

**ARDEX X 7 G FLEX 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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