

# Sustainability data sheet

## ARDEX AF 180 MS

### Vinyl tile adhesive

Silane-modified and polymer-based adhesive for single or multilayer.  
For attaching PVC, LVT, elastic vinyl and rubber linings.  
For porous and dense surfaces in the exterior and indoors.

#### 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

**M1**



solvent-free

#### EPD (Environmental Product Declaration)

ARDEX AF 180 MS corresponds to FEICA EPD: **EPD-FEI-20150250-IBG1-EN**

#### According BASTA

ARDEX AF 180 MS 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 RS10** – construction material, methoxysilane-based

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# ARDEX AF 180 MS

Vinyl tile adhesive

## Sustainable Building

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

#### Version 2018

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

ARDEX AF 180 MS 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 AF 180 MS has the GISCODE RS10 and is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX AF 180 MS fulfills the requirements for highest Quality Level 4.**

#### Version 2015

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

ARDEX AF 180 MS 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 AF 180 MS is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV.

**ARDEX AF 180 MS fulfills the requirements for highest Quality Level 4.**

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

#### Version 4 (2014)

##### EQ: Low Emitting Materials

ARDEX AF 180 MS meets the requirements according EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV which are accepted by LEED.

**ARDEX AF 180 MS 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 AF 180 MS corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

**ARDEX AF 180 MS 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 adhesives and sealants according SCAQMD Rule 1168 is 65 g/L. The VOC value of ARDEX AF 180 MS according SCAQMD Rule 1168 is < 65 g/L.

**ARDEX AF 180 MS 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 criteria Hea 02 Indoor air quality**

ARDEX AF 180 MS can be classified as Flooring Adhesives.

ARDEX AF 180 MS is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV and by M1.

**ARDEX AF 180 MS meets the requirements according BREEAM-NOR and contributes to achieving one credit under Hea 02 Indoor air quality.**

**According BREEAM** (Building Research Establishment Environmental Assessment Methodology)

**Version 2016**

**BREEAM criteria Hea 02 Indoor air quality**

ARDEX AF 180 MS can be classified as Interior adhesives and sealants (including flooring adhesives). ARDEX AF 180 MS meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX AF 180 MS is certified by EMICODE® EC 1<sup>PLUS</sup> R, very low emission, based on GEV and by M1.

**ARDEX AF 180 MS meets the requirements according BREEAM and contributes to achieving one credit under Hea 02 Indoor air quality.**

**According Nordic Swan Ecolabelling**

**ARDEX AF 180 MS 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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