

Sustainability data sheet

ARDEX AF 455 MS

MS Adhesive

ARDEX System Product: Solvent-free, suitable for underfloor heating, for chairs with castors, for application with glue gun.

Emissions

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

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



According Emission Classification of Building Materials

-

solvent-free

EPD (Environmental Product Declaration)

ARDEX AF 455 MS corresponds to FEICA EPD:

EPD-FEI-20150250-IBG1-EN

Technical Assessment

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

GISCODE D1 – solvent-free

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Sustainable Building

According DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX AF 455 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 455 MS has the GISCODE D1 and is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX AF 455 MS fulfills the requirements for highest Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX AF 455 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 455 MS is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX AF 455 MS fulfills the requirements for highest Quality Level 4.

According LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX AF 455 MS meets the requirements according EMICODE® EC 1^{PLUS} R, very low emission, based on GEV which are accepted by LEED.

ARDEX AF 455 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 455 MS corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX AF 455 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 455 MS according SCAQMD Rule 1168 is < 65 g/L.

ARDEX AF 455 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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According BREEAM-NOR (Building Research Establishment Environmental Assessment Methodology)

Version 2016

BREEAM criteria Hea 02 Indoor air quality

ARDEX AF 455 MS can be classified as Flooring Adhesives.

ARDEX AF 455 MS is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX AF 455 MS meets the requirements according BREEAM 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 455 MS can be classified as Interior adhesives and sealants (including flooring adhesives). ARDEX AF 455 MS meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX AF 455 MS is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX AF 455 MS 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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Witten, 08/05/2018

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