

Sustainability data sheet

ARDEX S 28 NEW

Large Format Adhesive

Discoloration- and deformation-free installation of natural stone tiles, natural stone-, artificial stone- and cotto panels. Installation of tiles based on stone ware and fine stone ware. Well suited for installation of large size tiles and panels on calcium sulfate screeds.

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

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solvent-free

EPD (Environmental Product Declaration)

ARDEX S 28 NEW corresponds to FEICA EPD:

EPD-FEI-20160042-IBG1-EN

According BASTA

ARDEX S 28 NEW 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

Meets the C2 requirements according to EN 12004

C2 FTE, Cement mortar for increased requirements with additional characteristic values early adhesive strengths (F), 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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According DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen)

Version 2018

DGNB criteria ENV 1.2: Local environmental impact

ARDEX S 28 NEW 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 S 28 NEW has the GISCODE ZP1 and is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX S 28 NEW fulfills the requirements for highest Quality Level 4.

Version 2015

DGNB criteria ENV 1.2: Local environmental impact

ARDEX S 28 NEW 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 S 28 NEW is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX S 28 NEW fulfills the requirements for highest Quality Level 4.

According LEED (Leadership in Energy and Environmental Design)

Version 4 (2014)

EQ: Low Emitting Materials

ARDEX S 28 NEW meets the requirements according EMICODE® EC 1^{PLUS} R, very low emission, based on GEV which are accepted by LEED.

ARDEX S 28 NEW 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 28 NEW corresponds to a model EPD by FEICA, which provides the evidence of a life cycle assessment (LCA) „cradle to gate“.

ARDEX S 28 NEW 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 S 28 NEW according SCAQMD Rule 1168 is < 65 g/L.

ARDEX S 28 NEW 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-NOR criteria Hea 02 Indoor air quality

ARDEX S 28 NEW fulfills the required emission limits and is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV which is accepted as documentation.

ARDEX S 28 NEW 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 S 28 NEW can be classified as Interior adhesives and sealants (including flooring adhesives). ARDEX S 28 NEW meets the requirements according Table 17: Emission criteria by product type and Table 18: Exemplary level emission criteria by product type.

ARDEX S 28 NEW is certified by EMICODE® EC 1^{PLUS} R, very low emission, based on GEV.

ARDEX S 28 NEW 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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