

Uzin Utz SE | Dieselstrasse 3 | 89079 Ulm

SUSTAINABILITY-DATASHEET

UZIN NC 587

FusionTec bonded thin screed

Indoor Air Quality (VOC)

EMICODE EC 1 PLUS - very low emission

Blue Angel according to DE-UZ 113 - special environmental friendliness

EPD

GISCODE: CP 3 - Gypsum levelling compound, highly alkaline.



Life Cycle Assessment (LCA) and Environmental Product Declaration (EPD)

LCA according to ISO 14040/44

The LCA data given here are taken from the European Model EPD modified mineral mortars, group 1 and have been verified by the independent Institut Bauen und Umwelt (IBU). The European Model EPD have been published by the Deutsche Bauchemie e.V. (DBC), the European Federation for Construction Chemicals (EFCC), the Association of European Adhesive and Sealant Industry (FEICA) and the Industrieverband Klebstoffe e.V. (IVK). As a member of the Industrieverband Klebstoffe e.V. (IVK) and in accordance with the internal FEICA guidance, UZIN UTZ is entitled to use the European Model EPDs. We confirm the compatibility of the UZIN NC 587 with group 1 of the European Model EPD modified mineral mortars, in accordance with the associated guideline on application.

Impact indicators:

Functional Unit (FU): 1 kg product; cradle-to-gate (according to EN 15804: Modules A1-A3)

Global warming potential (GWP 100)	[kg CO ₂ -Eq./kg]	4,88E-01	Total use of non-renewable primary energy resources	[MJ/kg]	9,91E+0	
Depletion potential of the stratospheric ozone layer (ODP)	[kg CFC11-Eq.]	2,81E-11	Total use of renewable primary energy resources	[MJ/kg]	1,70E+0	
Acidification potential of land and water (AP)	[mol H ⁺ -Eq.]	1,80E-03	Waste categories:			
Eutrophication potential (EP)	[kg P-Eq.]	9,16E-07		Hazardous waste disposed	[kg/kg]	2,60E-05
Formation potential of tropospheric ozone photochemical oxidants (POCP)	[kg NMVOC-Eq.]	1,33E-03		Non-hazardous waste disposed	[kg/kg]	3,12E-02
Abiotic depletion potential for non-fossil resources (ADPe)	[kg Sb-Eq./kg]	5,74E-08	Radioactive waste disposed	[kg/kg]	2,46E-04	
Abiotic depletion potential for fossil resources (ADPf)	[MJ/kg]	9,91E+0	Use of net fresh water	[m ³ /kg]	2,46E-03	

Green Building / Certification of Buildings

DGNB – German Sustainable Building Council

Version 2023. Criteria: ENV 1.2 Risks for local environment (Risiken für die lokale Umwelt)

Product group according to criteria matrix (Row 8):

Primers, undercoats, fillers and adhesives under wall and floor coverings (e.g. tiles, carpets, parquet, elastic flooring – except for wallpaper)

Quality level (QS)	Requirements	Compliant
QS 1	GISCODE D1, ZP1, CP1, CP2, CP3, RU 0,5, RU 1, RE05, RE10, RE20 or RE30 or RS10	Yes
QS 2	GISCODE D1, ZP1, CP1, CP2, CP3, RU 0,5, RU 1, RE05, RE10, RE20 or RE30 or RS10 and EMICODE EC1 PLUS or DE-UZ 113	Yes
QS 3	GISCODE D1, ZP1, CP1, CP2, CP3, RU 0,5, RU 1, RE05, RE10, RE20 or RE30 or RS10 and EMICODE EC1 PLUS or DE-UZ 113	Yes
QS 4	GISCODE D1, ZP1, CP1, CP2, CP3, RU 0,5, RU 1, RE05, RE10, RE20 or RE30 or RS10 and EMICODE EC1 PLUS or DE-UZ 113	Yes

Classification: Labelled with the EMICODE EC 1 Plus and the GISCODE CP 3 the product meets the highest DGNB quality level 4.

LEED – Leadership in Energy and Environmental Design

Version 4. Credit EQ: Low-Emitting Materials

Product group: Interior adhesives and sealants applied on site (including flooring adhesives).

Requirements:	Compliant
VOC content requirements for wet applied products: Compliance with VOC content according to SCAQMD Rule 1168.	Yes
General Emissions Evaluation: Compliance with emission limits according to AgBB scheme or CDPH Standard Method v1.1.	Yes

Classification: VOC content according to SCAQMD Rule 1168 is 0 g/L. Labelled with the EMICODE EC 1 Plus the product meets the emission limits according to the AgBB scheme. Thus, the product meets the requirements of LEED v4 for the low-emitting materials criteria.

BREEAM - Building Research Establishment Environmental Assessment Methodology		
Version 6.1 (2023). Hea 02 Indoor air quality		
Criteria	Requirements on emission testing	Compliant
Emission criteria (Table 5.11)	ISO 16000-9 / EN 16516	Yes
Exemplary level emission criteria (Additional requirements Table 5.12)		Yes
Classification: The product meets the emission limits according to BREEAM.		
Certifications: Technical data sheet, Safety Data Sheet, license of EMICODE EC1 PLUS, certificate of the German Blue Angel and other product related information are available for download at https://int.uzin.com		
Remark: This Sustainability Data Sheet is based on our findings and our experience at the time of the issue date. Additionally the data in the product data sheet and the safety data sheet have to be observed.		
Contact: sustainability@uzin-utz.com		
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