


Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)
MANUFACTURER SCHOMBURG GmbH & Co. KG

PRODUCT NAME MONOFLEX-XL

Product Rating DGNB Criteria






- The product meets the requirements of quality level 1 to 4 and contributes to achieve 100 (of max. 100 achievable) checklist points according to criterion 'ENV1.2 Local Environmental Impact'.
- The product has an industry-wide Environmental Product Declaration (EPD), which can be used for the life cycle assessment according to criteria 'ENV 1.1' and 'ENV2.1'.

Criterion ENV 1.2 Risks for the Local Environment - Ecological Quality
Quality Level 1 10 Checklist Points 
Quality Level 2 50 Checklist Points 
Quality Level 3 75 Checklist Points 
Quality Level 4 100 Checklist Point 
Criterion ENV 1.3.1 Sustainable Resources - Ecological Quality*
Quality Level 1 10 Checklist Points 
Quality Level 2 50 Checklist Points 
Quality Level 3 100 Checklist Points 

* This criterion is only applicable to wooden materials.

Product Characteristics

MONOFLEX-XL is used as a thin-bed adhesive for vitrified and earthenware tiles, ceramic tiles with low water absorption $\leq 0.5\%$ (fully vitrified), clinker, mosaic and natural stone materials not sensitive to discolouration or those which are translucent. Due to its deformability MONOFLEX-XL is suitable for fixing large format tiles. MONOFLEX-XL is suited for the assured installation on all substrates conforming to DIN 18157, part 1 e.g. concrete, aerated concrete, render/plaster, cement-based and calcium sulphate based screeds/ heated screeds, masonry work, moisture resistant plasterboard etc. as well as on old well bonded tiled finishes.

-  **Credit requirements fulfilled - the action level is achieved**
-  **Credit is not applicable to this product**
-  **22% X% of the product comply with the credit requirement**
-  **Required data not specified - for required data contact manufacturer**
-  **Credit requirements are not fulfilled**

About DGNB Products - www.dgnb.de

This declaration helps to assess products easily according the certification system DGNB® Neubauversion Büro- und Verwaltungsgebäude (NBV15). Products are not reviewed or certified by DGNB. DGNB credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. Therefore the project team or the manufacturer is responsible to declare the compliance with the project requirements to achieve DGNB points.

Above you find an explanation of the symbols. Detailed information are on the next pages.

Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)
MANUFACTURER SCHOMBURG GmbH & Co. KG

PRODUCT NAME MONOFLEX-XL

Product assessment of complete system

Topic	Number	Criteria	Relevance	Evaluation
Environmental Quality (ENV)	ENV1.1	Life cycle Assessment - Emissions	✓	An industry-wide Environmental Product Declaration (EPD) does exist for this product.
	ENV1.2	Local environmental impact	✓	Quality Level 4 is fulfilled
	ENV1.3.1	Responsible procurement (Wood)		
	ENV1.3.3	Responsible procurement (Natural Stone)		
	ENV2.1	Life cycle Assessment - Primary Energy	✓	An industry-wide Environmental Product Declaration (EPD) does exist for this product.
	ENV2.2	Potable water demand and wastewater volume		
	ENV2.3	Land Use		
Economic Quality (ECO)	ECO1.1	Building-related life-cycle costs		
	ECO2.1	Suitability for conversion		
	ECO2.2	Marketability		
Sociocultural and Functional Quality (SOC)	SOC1.1	Thermal Comfort		
	SOC1.2	Indoor Air Quality		
	SOC1.3	Acoustic Comfort		
	SOC1.4	Visual Comfort		
	SOC1.5	Occupant control		
	SOC1.6	Quality of stay outdoor / indoor		
	SOC1.7	Safety		
	SOC2.1	Access for all		
	SOC2.2	Public access		
	TEC1.2	Noise protection		
	TEC1.3	Building envelope quality		
	TEC1.4	Adaptability of Technical Systems		
	TEC1.5	Ease of cleaning and maintenance		
	TEC1.6	Ease of dismantling and recycling		
	TEC3.1	mobility infrastructure		
Process Quality (PRO)	PRO1.1	Project preparation and planning		
	PRO1.3	Conceptual design and optimization in the planning		
	PRO1.4	Sustainability aspects in tender phase		
	PRO1.5	Documentation for Facility Management		
	PRO1.6	Design and urban quality		
	PRO2.1	Environmental impact of construction		
	PRO2.2	Construction quality assurance		
	PRO2.3	Systematic commissioning		
Site Quality (SITE)	SITE1.1	Site location risks		
	SITE1.2	Public image and social conditions		
	SITE1.3	Access to transportation		
	SITE1.4	Access to specific-use facilities		

Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)
MANUFACTURER SCHOMBURG GmbH & Co. KG

PRODUCT NAME MONOFLEX-XL

Product assessment for criteria ENV1.2 - Local environmental impact

The product fulfills the requirements for Quality Level 1-4

 Assessment: **Quality Level 4**
Goals and Relevance

Certain materials, construction products and preparations are a risk for soil, air, groundwater and surface water as well as for human's health, flora and fauna. In order to minimize risks for humans and the local environment, materials, (construction) products and preparations need to be reduced ,avoided or substituted, which due to their material properties or ingredients are a risk for surface and ground water, soil or air. Especially those materials, (construction) products and preparations must be reduced ,avoided or replaced, which affect human health, flora and fauna or harm within a short-, medium / or long-term period . This affects the entire life cycle - from production, processing at site, use of (building) inventory and disposal (dismantling, recycling, landfilling). These local risks are assessed material and product related. Hence eco-and human toxicological impact categories of LCA can not be applied due to lack of evaluation and measurement procedures.

Product Assessment

	Relevant Products	Requirements of Quality Levels	Assessment of Product	Evaluation
8	Primers, primer coatings, putties AND adhesives under wall AND floor coverings (eg tiles, carpets, wooden floors, resilient flooring - except wallpaper) Subject: All installation materials AND auxiliary substances for coating of surfaces (wall & floor)	Quality Level 1 The product belongs to GISCODE-group D1, RU 0,5, RU 1, RE1 or RS10? Quality Level 2 The product is EMICODE certified (EC1, EC1PLUS , EC1-R, EC1PLUS-R) or Blauer Engel certified (RAL UZ 113) Quality Level 3 The product is EMICODE certified (EC1, EC1PLUS , EC1-R, EC1PLUS-R) or Blauer Engel certified (RAL UZ 113) Quality Level 4 The product is EMICODE certified (EC1, EC1PLUS , EC1-R, EC1PLUS-R) or Blauer Engel certified (RAL UZ 113)	The thin-bed mortar meets the requirements for EMICODE EC1 PLUS.	Quality Level 4

Other remarks on classification

The product belongs to the group GISCODE ZP1.

Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)

MANUFACTURER	SCHOMBURG GmbH & Co. KG
---------------------	-------------------------

PRODUCT NAME	MONOFLEX-XL
---------------------	-------------

The product contains the following components:

**Mass per
unit [%]**

K1 MONOFLEX-XL

100%
