Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)

MANUFACTURER Ramsauer GmbH & Co KG

PRODUCT NAME 1- and 2-component adhesives

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'.

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

\checkmark

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

Product Characteristics

Product names: Montage Kleber 630, Dicht Kleber 640, Flächen Kleber 645, Boden Kleber 650, Kraft Fix 655, Spiegel Kleber 660, 2-K-MS Kleber 690. High-performance adhesives for a variety of special applications and application areas. Detailed information please refer to the technical data sheets.

- 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
- X 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.

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^{*} This criterion is only applicable to wooden materials.

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Product assessment of complete system

Topic	Number	Criteria	Relevance	Evaluation
Торіс	ENV1.1	Life cycle Assessment - Emissions	~	Evaluation
	ENV1.2	Local environmental impact	✓	Quality Level 4
	ENV1.3.1	Responsible procurement (Wood)	· ·	Quality Level 4
Environmental Quality (ENV)	ENV1.3.1			
Environmental Quality (ENV)		Responsible procurement (Natural Stone)		
	ENV2.1	Life cycle Assessment - Primary Energy		
	ENV2.2	Potable water demand and wastewater volume		
	ENV2.3	Land Use		
	ECO1.1	Building-related life-cycle costs		
Economic Quality (ECO)	ECO2.1	Suitability for conversion		
	ECO2.2	Marketability		
	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		
Sociocultural and Functional Quality (SOC)	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		
	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		
Process Quality (PRO)	PRO1.6	Design and urban quality		
	PRO2.1	Environmental impact of construction		
	PRO2.1	Construction quality assurance		
	PRO2.3	Systematic commissioning		
	SITE1.1	Site location risks		
Site Quality (SITE)	SITE1.2	Public image and social conditions		
	SITE1.3	Access to transportation		
	SITE1.4	Access to specific-use facilities		

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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	Require	ements of Quality Levels	Assessment of Product	Evaluation
11	Baseboards, door rails, support glue (double floor or raised floor)	Quality Level 1	GISCODE PU20		
	Not considered are areas of glass construction, facade and fire protection	Quality Level 2	GISCODE PU20 GISCODE PU10 or		
			EMICODE EC1 or		
	Subject: sealants, sealants,	Quality Level 3	EMICODE EC1-R or		
	adhesives for point and linear		EMICODE EC1 PLUS or	The products meet either the	
	bonding of components in the interior. This refers to PU adhesive		EMICODE EC1 PLUS -R	requirements for EMICODE or is SMP products.*	Quality Level 4
	and silane-modified polymers		Use of silane-modified polymers		
	(SMP)		(SMP) or		
			GISCODE RS10 or		
		Quality Level 4	EMICODE EC1 or		
			EMICODE EC1-R or		
			EMICODE EC1 PLUS or		
			EMICODE EC1 PLUS -R		

	Relevant Products	Require	ments of Quality Levels	Assessment of Product	Evaluation
12	Small surface adhesions of mechanically loaded joints;	Quality Level 1	chlorinated paraffins <0.1%		
	not considered are areas of glass construction, facade and fire	Quality Level 2	chlorinated paraffins <0.1%		
	protection	Quality Level 3	chlorinated paraffins <0.1%		
		Quality Level 4	chlorinated paraffins <0.1%, solvents <1%, KWS plasticizer <0.1%	Content of chlorinated paraffins <0.1%, solvent <1%, KWS softener <0.1%	Quality Level 4

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	Relevant Products	Requirements of Quality Levels		Assessment of Product	Evaluation
13	Mounting adhesives and sealants on the facade, windows and exterior doors (on site)	Quality Level 1	No requirements		
	Subject: An adhesive for producing the airtightness of the inside and outside of the facade. Eg PU, PU-hybrid, MS-polymer, SMP or the like	Quality Level 2	No requirements		
		Quality Level 3	chlorinated paraffins & VOC < 1 % or EMICODE EC1/ EC1PLUS, EC1-R/EC1PLUS-R	Chlorinated paraffins & VOC < 1 %	Quality Level 4
		Quality Level 4	chlorinated paraffins & VOC < 1 % or EMICODE EC1/ EC1PLUS, EC1-R/EC1PLUS-R		

Other remarks on classification

* EMICODE is for the following products before: 630 Montagekleber, 640 Dichtkleber, 645 Flächenkleber, 650 Bodenkleber, 655 Kraft fix, 690 2K MS Kleber For the following products is an SMP material: 640 Dichtkleber, 645 Flächenkleber, 655 Kraft fix, 660 Spiegelkleber



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The product contains the following components:	Mass per unit [%]
K1 1- and 2-component adhesives	100%