


Produktdeklaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV15)

MANUFACTURER Griesser AG Aadorf
PRODUCT NAME Venetian Blind (Lamisol, Solomatic, Aluflex)


Product Rating

- 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	






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

Sun protection for windows and doors as well as glass facades. For direct mounting in the reveal, in front of facades, in double facades or indoors. Slats made of special aluminum alloy, corrosion-resistant enamelled. Color according to the standard color collection. Aluminum parts anodized or enameled according to the standard color collection. Lateral guide with guide rails or depending on the type also with tensioning cables. Drive with electric motor 230V AC or manual crank. Options: slats with bicolor (two-color), working position, daylight optimization or perforation.

	Credit requirements fulfilled - the action level is achieved
	Credit is not applicable to this product
	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.

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Product assessment of complete system

Topic	Number	Criteria	Relevance	Evaluation
Environmental Quality (ENV)	ENV1.1	Life cycle Assessment - Emissions		
	ENV1.2	Local environmental impact	✓	Quality Level 4 is fulfilled
	ENV1.3.1	Responsible procurement (Wood)		
	ENV1.3.2	Responsible procurement (Natural Stone)		
	ENV2.1	Life cycle Assessment - Primary Energy		
	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		

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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	Requirements of Quality Levels	Assessment of Product	Evaluation
1	Coatings on mineral surfaces: Metals, wood, plastics Subject: Liquid coating materials: Decorative paints / glazes with basic coatings. Except for effect coatings (eg metallic paints)	Quality Level 1 VOC-Gehalt < 300 g/l - Category D according to VOC-Guideline 2004/42/EG Quality Level 2 Water-soluble products according to current VOC-Guideline Quality Level 3 VOC-content < 100 g/l or RAL-UZ 12a Quality Level 4 RAL-UZ 12a	The product contains no liquid coatings, which are applied on the construction site.	Quality Level 4

	Relevant Products	Requirements of Quality Levels	Assessment of Product	Evaluation
19	Non-structural metal components such as stair railings, metal framing, frames, steel doors, facade elements etc. Subject: Anti-corrosion coatings and special effect coatings (eg metallic effect paints)	Quality Level 1 VOC-Content < 300 g/l - according to category D of VOC- Guideline 2004/42/EG Quality Level 2 VOC-Content < 300 g/l - according to category D of VOC- Guideline 2004/42/EG Quality Level 3 Waterborne products VOC <140 g / l Exception: Metallic effect coatings <300 g / l - Category A / d according to VOC-guideline 2004/42 / EC Quality Level 4	The VOC emissions during operation are limited to minimum quantities by post-combustion. No VOC enters the environment.	Quality Level 4

	Relevant Products	Requirements of Quality Levels	Assessment of Product	Evaluation
32	Panels made of aluminum and stainless steel on the facade and the roof (sun protection systems are not currently considered) Subject: Products to passivation of aluminum and stainless steel	Quality Level 1 No requirements Quality Level 2 No requirements Quality Level 3 Chromium VI-free passivation Quality Level 4 Chromium VI-free passivation	Use of chromium-VI-free passivation agents.	Quality Level 4

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	Relevant Products	Requirements of Quality Levels		Assessment of Product	Evaluation
33	Factory coated metal components: cladding, doors, radiators, heating and cooling ceilings. Hot-dipped galvanizing are not considered as coatings for the purposes of this criterion. Subject: Primer and finish coat (for example, paints, varnishes, powder coatings)	Quality Level 1 Quality Level 2 Quality Level 3 Quality Level 4	No use of lead, cadmium and chromium VI compounds No use of lead, cadmium and chromium VI compounds No use of lead, cadmium and chromium VI compounds No use of lead, cadmium and chromium VI compounds	No use of lead, cadmium and chromium VI compounds	Quality Level 4

	Relevant Products	Requirements of Quality Levels		Assessment of Product	Evaluation
35	Plastics for coating of surfaces (floor and wall) and components on the building envelope Subject: Elastic floor coverings (z. B. PVC, rubber), wall coverings, rooflights, vinyl windows	Quality Level 1 Quality Level 2 Quality Level 3 Quality Level 4	Content of lead and tin <0.1% Content of lead and tin <0.1% Content of lead and tin <0.1% Content of lead and tin <0.1%	The content of lead and tin is < 0.1%	Quality Level 4

	Relevant Products	Requirements of Quality Levels		Assessment of Product	Evaluation
44	Plastic materials Subject: external wall and roof insulation, wall coverings, window, electrical cables: plastic sheets, wall coverings, wallpaper, plastic windows, cable sheathing	Quality Level 1 Quality Level 2 Quality Level 3 Quality Level 4	No requirements No requirements SVHC < 0,1 % SVHC < 0,1 %	SVHC < 0,1 %	Quality Level 4

Other remarks on classification

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The product contains the following components:

**Mass per
unit [%]**

K1	Slat (Aluminium)	38%
K2	Rails and other components (aluminum)	35%
K3	Upper rail (steel)	12%
K4	Connecting hook (steel)	1%
K5	Manual crank (steel)	6%
K6	Plastic components	6%
K7.1	Powder coat	<1%
K7.2	Wet paint	2%
K7.3	Metallization	0%