

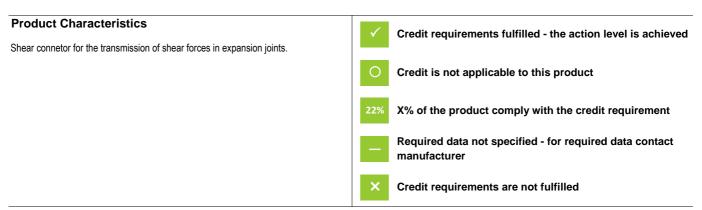
Product Declaration - DGNB Neubauversion Büro- und Verwaltungsgebäude 2015 (NBV 15)

MANUFACTURER	Max Frank GmbH & Co. KG
PRODUCT NAME	Egcodorns and Egcodubel

### **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	$\checkmark$		
Quality Level 2	50 Checklist Points	$\checkmark$		
Quality Level 3	75 Checklist Points	$\checkmark$		
Quality Level 4	100 Checklist Point	$\checkmark$		
Criterion ENV 1.3.1	Sustainable Resources - Ecological Quality*			
Quality Level 1	10 Checklist Points	0		
Quality Level 2	50 Checklist Points	0		
Quality Level 3	100 Checklist Points	0		
* This criterion is only applic	cable to wooden materials.			



#### 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     Wine     Christa     P     Evaluation       ENV.1     Use de Assessmen - Emstains     Image: Christan - Emstain - Emstains     Image		Neurskan		Relevance	
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PR01.1     Project preparation and planning     Image: mathematical stress of the stress of t		TEC1.6	Ease of dismantling and recycling		
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		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		ant Products Requirements of Quality Levels		Assessment of Product	Evaluation
35	Plastics for coating of surfaces (floor and wall) and components on the building envelope	Quality Level 1	Content of lead and tin <0.1%		
	Subject: Elastic floor coverings (z. B. PVC, rubber), wall coverings, rooflights, vinyl windows	Quality Level 2	Content of lead and tin <0.1%	The content of lead and tin in the used plastics is < 0.1%	Quality Level 4
	· · · · · · · · · · · · · · · · · · ·	Quality Level 3	Content of lead and tin <0.1%		
		Quality Level 4	Content of lead and tin <0.1%		

Relevant Products		Requirements of Quality Levels		Assessment of Product	Evaluation
44	Plastic materials Subject: external wall and roof	Quality Level 1	No requirements		
	insulation, wall coverings, window, electrical cables: plastic sheets, wall coverings, wallpaper, plastic	Quality Level 2	No requirements	The content of SVHC in the product	Quality Level 4
	windows, cable sheathing	Quality Level 3	SVHC < 0,1 %	is < 0.1%	
		Quality Level 4	SVHC < 0,1 %		

### Other remarks on classification

The product contains fat and oil. In accordance with the DGNB requirements for fat and oil (oils and waxes) apply only for wood coatings.

The product contains silicone, which is already used in the factory and not applied on site. According to DGNB, the requirements for silicone apply only to sealing joints (tile, natural stone), connecting joints (drywalling, painting work, doors) and sealants of the HVAC installations.

The product contributes to achieve quality level 4.

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The product contains the following components:		
K1	Steel/Stainless Steel	95%
K2	Siliconrubber	0%
K3	HDPE	5%
K4	LDPE	0%
K5	Silicon	0%
K6	Shrink tubing	0%
K7	Grease	0%