Product Declaration - DGNB Neubauversion Büro- und Verwaltungsgebäude 2012

MANUFACTURER	BPA-GmbH Herrenberg
PRODUCT NAME	BPA-CEM 805

### **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	$\checkmark$	
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 applica	able to wooden materials.		

### **Product Characteristics**

BPA-CEM 805 is a one-component, odorless adhesive / sealant which reacts with atmospheric moisture to create an elastic vulcanized rubber seal. It is free of solvents, silicones and isocyanates. BPA-CEM 805 has a neutral cure, is compatible with paints and features excellent chemical resistance.

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

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

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### Product assessment of complete system

Торіс	Number	Criteria	Relevance	Evaluation
Торіс	ENV1.1	Life cycle Assessment - Emissions	<u> </u>	Lvaluation
	ENV1.2	· · · · · · · · · · · · · · · · · · ·	$\checkmark$	
	ENV1.2 ENV1.3.1	Local environmental impact Responsible procurement (Wood)	v	Quality Level 4 is fulfilled
	ENV1.3.1	Responsible procurement (Formwork)		
Environmental Quality (ENV)	ENV1.3.3	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		
Sociocultural and	SOC1.6	Quality of outdoor spaces		
Functional Quality (SOC)	SOC1.7	Safety and security		
	SOC2.1	Access for all		
	SOC2.2	Public access		
	SOC2.3	Cyclist facilities		
	SOC3.1	Design and urban quality		
	SOC3.2	Integration of public art		
	SOC3.3	Floor Plan Qualities		
	TEC1.1	Fire prevention		
	TEC1.2	Noise protection		
	TEC1.3	Building envelope quality		
Technical Quality (TEC)	TEC1.4	Adaptability of Technical Systems		
	TEC1.5	Ease of cleaning and maintenance		
	TEC1.6	Ease of dismantling and recycling		
	TEC1.7	Sound immission control		
Process Quality (PRO)	PRO1.1	Comprehensive project brief		
	PRO1.2	Integral design		
	PRO1.3	Design concept		
	PRO1.4	Sustainability aspects in tender phase		
	PRO1.5	Documentation for Facility Management		
	PRO2.1	Environmental impact of construction		
	PRO2.2	Construction quality assurance		
	PRO2.3	Systematic commissioning		
	SITE1.1	Site location risks		
	SITE1.2	Public image and social conditions		
Site Quality (SITE)	SITE1.3	Access to transportation		
	SITE1.4	Access to specific-use facilities		

	irements for Quality Level 1-4	Assessment:	
Product assessment for crite	ria ENV1.2 - Local environmental impact		
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### **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
There are no requirements for the product.			

#### Other remarks on classification

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The product contains the following components:		Mass per unit [%]
K1	BPA-CEM 805	100%