


Manufacturer H-Bau Technik GmbH

Product Name PENTAFLEX® Sealing technology

Product Rating

- The product fulfills the requirements of action level 1 to 4 and contributes to achieve 10 (of max. 10) criterion points within Criterion 06 'Risks for the regional environment'.

Criterion 06 Risks for the Local Environment - Ecological Quality

Action Level 1	1 Point	
Action Level 2	5 Points	
Action Level 3	7.5 Points	
Action Level 4	10 Points	

Criterion 08 Sustainable Resources - Ecological Quality*

Action Level 1	1 Points	
Action Level 2	5 Points	
Action Level 3	10 Points	






* This criterion is only applicable to wooden materials.

Product Characteristics

PENTAFLEX® is a joint sealing system for producing watertight concrete structures (white tank). The PENTAFLEX® elements are completely provided with a special coating and have been designed for structures with premium utilisation. They reliably seal joints in the wall/foot or wall/ceiling area, joints in the wall/wall or floor/floor area and joints in cast-in-situ concrete and component wall constructions reliably.

About DGNB Products - www.dgnb.de

This declaration helps to assess products easily according the certification system DGNB® Neubauversion Büro- und Verwaltungsgebäude (NBV09). 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. Below you find an explanation of the symbols. Detailed information are on the next pages.

	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

Manufacturer **H-Bau Technik GmbH**
Product Name **PENTAFLEX® Sealing technology**

*All values are based on the unit:

Detailed Rating	No	Product Name	Manufacturer	Mass per Unit* [%]	Steckbrief 06 Risiken für die lokale Umwelt				Steckbrief 08 Nachhaltige Ressourcenverwendung				
					Action Level 1	Action Level 2	Action Level 3	Action Level 4	Action Level 1	Action Level 2	Action Level 3		
	A1	Steel plate	H-BAU Technik GmbH	~ 90%	✓	✓	✓	✓	○	○	○	○	
	A2	Waterreactive coating	H-BAU Technik GmbH	~ 10%	✓	✓	✓	✓	○	○	○	○	
	A3												
	A4												
	A5												
	A6												
	A7												
	A8												
	A9												
	A10												
		PENTAFLEX® Sealing technology	H-Bau Technik GmbH	100	✓	✓	✓	✓	○	○	○	○	

Product Declaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV09)

Manufacturer **H-Bau Technik GmbH**

Product Name **PENTAFLEX® Sealing technology**

Criterion 06 Risks for the Local Environment - Ecological Quality

Detailed Rating

No	Product Name	Manufacturer
A1	Steel plate	H-BAU Technik GmbH
Product Type	Requirement	Contribution of Product
There are no requirements for this product		

No	Product Name	Manufacturer
A2	Waterreactive coating	H-BAU Technik GmbH
Product Type	Requirement	Contribution of Product
Paints and coatings (without anti-corrosion paints) Applied on non-mineral surfaces.	Action Level 4: VOC-content < 3% Action Level 3: VOC-content < 10% Action Level 2: VOC-content < 15%; RAL UZ 12a count as proof Action Level 1: VOC-content < 25%	VOC-content: 0%

Product Declaration - DGNB Neubauversion Büro- und Verwaltungsgebäude (NBV09)

Manufacturer	H-Bau Technik GmbH
Product Name	PENTAFLEX® Sealing technology

Criterion 08 Sustainable Resources - Ecological Quality

Requirement

Action Level 1:

- The wooden product is sourced from central european forests. An FSC/PEFC certificate is not required
- Wooden products sourced from tropical, sub-tropical or boreal areas require a certificate of the Forest Stewardship Council (FSC)

Action Level 2+3:

- The wooden product is sourced from forests and provides a certificate of the 'Programme for Endorsement of Forest Certification Schemes' (PEFC)
- Not central european wood requires a certificate of the Forest Stewardship Council.

The minimum content of certified wood for the entire project is for

- Action Level 2: 50%
- Action Level 3: 80%

Detailed Rating

No	Product Name	Manufacturer	Contribution of Product
A1	Steel plate	H-BAU Technik GmbH	The product is not made from wood.
A2	Waterreactive coating	H-BAU Technik GmbH	The product is not made from wood.