

Reference: D09-1431 / 31.08.2012



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

Manufacturer **BOSIG GmbH**

Product Name **Fasatan® / Fasatyl®**



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'.

Reference: L09-1431 / 31.08.2012



Produkt Declaration - LEED® 2009 New Construction And Major Renovations NC & CS

Manufacturer **BOSIG GmbH**

Product Name **Fasatan® / Fasatyl®**



Product Rating

The product is not applicable to any LEED credits.



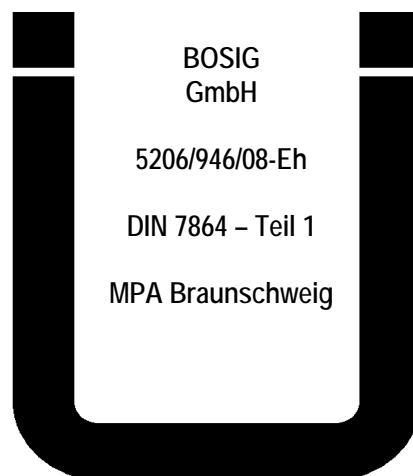
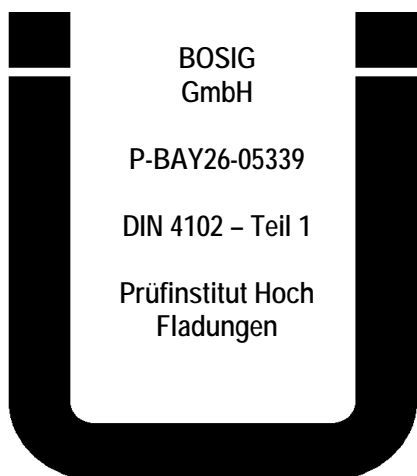
Registered in the PRONOTA Positive List for Building Products, suited for DGNB® – certified buildings.

Certification:

The emission behaviour of Fasatan® and Fasatyl® has been tested independently by the institute for analytic Aurachtal. Fasatan® and Fasatyl® have been proved and tested to be very low-emission and particularly does not contain any halogenated flame retardant substances.

Fasatan® and Fasatyl® therefore are registered in the PRONOTA Positive List for Building Products and are suited to be used for DGNB® (Deutsche Gesellschaft für Nachhaltiges Bauen e. V.) – certified buildings.

The approved quality of Fasatan® and Fasatyl® complies with DIN 18 195 and German Bauregelliste. They are bitumen compatible. Fasatan® and Fasatyl® have been examined according to DIN 4102 – part 1 and correspond to the building material class DIN 4102-B2, when bonded with our adhesives Fasatan® TFS and Fasatan® TFU onto steel, wood or massive mineral undergrounds. Also Fasatan® and Fasatyl® are rated as European Fire Behaviour Class E according to EN 13501-1 (resistance to fire).



Fasatan® und Fasatyl® correspond to EN 13984, they are pan-European regulated building products. the conformity is verified by the CE marking.



Fasatan strong	Fasatyl strong
Fasatan 1,0	Fasatyl 1,0
Fasatan 0,8	Fasatyl 0,8
Fasatan eco	Fasatyl eco

EN 13984

Fasatan® and Fasatyl® are sealing membranes made of EPDM rubber for the facade area. The sealing membranes are available in different thicknesses and in widths of 50 mm to 1500 mm.

These membranes can be adhered to all usual components, also on polystyrene and similar solvent-sensitive surfaces with our proven Fasatan® TFS, our special single-component, solvent-free, pasty adhesive supplied in a tubular bag or with our Fasatan® TFU.

A further possibility is adhering with our proven contact adhesive Fasatan® TFK, especially in over head areas or where an immediate high bonding strength is required. Fasatan® TFK is suited for all usual components, with the exception of polystyrene and similar solvent-sensitive undergrounds. We recommend bonding with our adhesives Fasatan® TFS, or Fasatan® TFU on such surfaces.

Technische Daten:	Fasatan® eco	Fasatan® 0,8	Fasatan® 1,0	Fasatan® strong		
		water vapour permeable for outdoors				
Thickness	0.6 mm	0.8 mm	1.0 mm	1.2 mm		
Thickness tolerance	± 25 %	± 20 %	± 20 %	± 10 %		
Water vapour diffusion resistance value		$\mu \leq 50\,000$			EN 1931	
s_d	approx. 12 m	$\mu = \text{approx. } 20\,000$			DIN EN ISO 12572	
Tensile strength	≥ 6 MPa	approx. 16 m	approx. 20 m	approx. 24 m	DIN EN ISO 12572	
Elongation at break	≥ 250 %	≥ 7 MPa	≥ 7 MPa	≥ 8 MPa	EN 12311-2	
Tear resistance	≥ 10 N	≥ 300 %	≥ 300 %	≥ 300 %	EN 12311-2	
Water tightness		≥ 10 N	≥ 10 N	≥ 20 N	EN 12310-2	
2 kPa water pressure		pass			EN 1928	
Durability against ageing		pass			EN 1296 / EN 1931	
Fire behaviour		building material class B2			DIN 4102-1	
		fire behaviour Class E			EN 13501-1	
Roll length		20 m				
		Fasatyl® eco	Fasatyl® 0,8	Fasatyl® 1,0	Fasatyl® strong	
			water vapour proof for indoors			
Thickness	0.6 mm	0.6 mm	0.8 mm	1.0 mm	1.2 mm	
Thickness tolerance	± 25 %	± 25 %	± 20 %	± 20 %	± 10 %	
Water vapour diffusion resistance value		$\mu \leq 160\,000$			EN 1931	
s_d	approx. 84 m	$\mu = \text{approx. } 140\,000$			DIN EN ISO 12572	
Tensile strength	≥ 6 MPa	approx. 112 m	approx. 140 m	approx. 170 m	DIN EN ISO 12572	
Elongation at break	≥ 250 %	≥ 7 MPa	≥ 7 MPa	≥ 8 MPa	EN 12311-2	
Tear resistance	≥ 10 N	≥ 250 %	≥ 250 %	≥ 300 %	EN 12311-2	
Water tightness		≥ 10 N	≥ 10 N	≥ 20 N	EN 12310-2	
2 kPa water pressure		pass			EN 1928	
Durability against ageing		pass			EN 1296 / EN 1931	
Fire behaviour		building material class B2			DIN 4102-1	
		fire behaviour Class E			EN 13501-1	
Roll length		20 m				

Processing notes:

The inner seal must be more vapour diffusion-proof than the outer seal. Therefore use Fasatan® for the outer seal and Fasatyl® for the inner seal.

First of all ensure that the joint gap is well insulated with appropriate material (mineral wool or similar) when sealing to avoid thermal bridges and interior temperatures dropping below the dew point.

Please observe the following instructions when bonding membranes on-site with Fasatan® TFS, Fasatan® TFU or Fasatan® TFK:

- check the adhesive compatibility of the subsurface
- the undergrounds must be clean, dry, solvent-, grease- and oil-free
- the seam overlap of individual sheet widths should be at least 10 cm

Please observe our technical instruction sheet specifications and the adhesive processing notes!

Chemical resistance:

Medium group	Medium	Evaluation*)
	Bitumen	+
Oils and fuels	ASTM N° 1 Oil	0
	ASTM N° 2 Oil	0
	ASTM N° 3 Oil	-
	ASTM Fuel A	-
	ASTM Fuel B	-
	ASTM Fuel C	-
	Fuel oil	-
	Aviation fuel	0
	Kerosene	-
Automotive products	Grease	0
	Motor oil 10W-30	-
	Petrol RON 94	-
	Petrol RON 99	-
	Petrol RON 102	-
	Leaded petrol	-
Hydraulic fluids	Cronite 8200	+
	Pydraul F-9	+
	Pydraul 60	+
	Skydrol	+
	Skydrol 500	+
Solutions / mixtures	Saturated glucose solution	+
	Iodine tincture	+
Antifreeze	Prestone Antifreeze	+
	Dowgard Antifreeze	+

*) + resistant
 0 conditionally resistant
 - instable

Tab. 1:

Chemical resistance of Fasatan® and Fasatyl®. The specifications refer to room temperature.

Fasatan® und Fasatyl® are instable or conditionally resistant in organic solvents. Fasatan® und Fasatyl® are however resistant in aqueous media, except in extreme cases.

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2014. Please request the latest version after Jan. 01, 2015.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils