

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

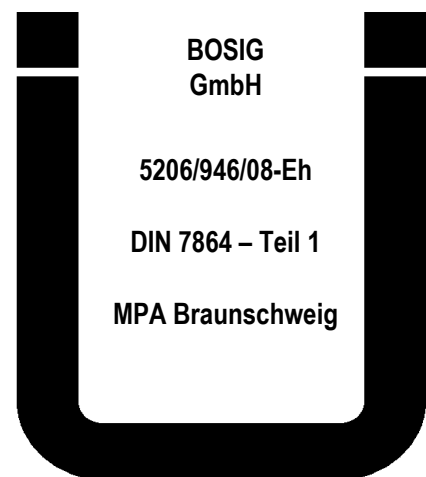
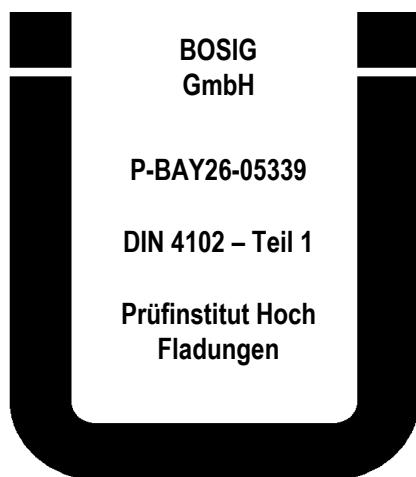
These membranes can be adhered to all usual components, also on polystyrene and similar solvent-sensitive subsurfaces with our proven **Fasatan® TFS**, **Fasatan® TFB**, our special single-component, solvent-free, pasty adhesives supplied in a tubular bag or with our **Fasatan® TFU**.

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**, **Fasatan® TFB** or **Fasatan® TFU** on such subsurfaces.

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.

Fasatan® and Fasatyl® are subject to the strict requirements of voluntary external supervision by a testing institute.

Also Fasatan® and Fasatyl® are rated as European Fire Behaviour Class E according to EN 13501-1 (resistance to fire).



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Fasatan 1,5	Fasatyl 1,5
Fasatan 1,0	Fasatyl 1,0
Fasatan 0,8	Fasatyl 0,8
Fasatan eco	Fasatyl eco

EN 13984

### Technical data:

	<b>Fasatan®</b> water vapour permeable for outdoors			<b>Fasatyl®</b> water-vapour-proof for indoors		
Thickness	0.8 mm	1.0 mm	1.5 mm	0.8 mm	1.0 mm	1.5 mm
Thickness tolerance	± 0.1 mm			± 0.1 mm		
S <sub>d</sub>	4.7 m	5.9 m	8.8 m	221 m	276 m	414 m
Water vapour diffusion resistance value	μ = approx. 5882			μ = approx. 276000		
Max. tensile strength	> 8 MPa		> 9 Mpa	> 8 MPa		
Max. elongation at break	> 300%		> 400 %	> 300 %		
Shore A hardness	60 ± 10			60 ± 10		
Elasticity modulus at 300 %	≥ 6.0 MPa					
Roll length	20 m			20 m		
Water absorption during 168 h at 70 ° C	≤ 2.5 vol. %			< 1 vol. %		
Bending test at low temperatures (- 55 ° C)	without tearing			without tearing		
UV resistance	given			given		
Fire behaviour	building material class B2 fire behaviour Class E			building material class B2 fire behaviour Class E		
Aging changes during 168 hours at 115 ° C						
Change of thickness	max. ± 10 %			max. ± 10 %		
Change of tensile strength	< 10 %			< 10 %		
Change of elongation at break	< 30 %			< 35 %		
Dimension change	max. ± 0.5 %			max. ± 0.5 %		

### 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® TFB**, **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, 2010. Please request the latest version after Jan. 01, 2011.

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