

Fasatan® eco and Fasatyl® eco are building sealing membranes made of EPDM- and butyl rubber. The sealing foils are available in widths of 50 mm to 1500 mm and 0.6 mm thick.

They can be bonded to all usual components with our special single-component, pasty adhesive **Fasatan® TFU**, supplied in the ready to use tubular bag.

Fasatan® eco and Fasatyl® eco are an inexpensive, high-quality system for sealing building facades in combination with our **Fasatan® TFU** adhesive. Fasatan® eco and Fasatyl® eco are bitumen compatible.

The approved quality of our Fasatan® eco system according to DIN 4102 – part 1 corresponds to the building material class B2 (DIN 4102 – part 1), when bonded to steel, wood or massive mineral undergrounds with our Fasatan® TFU adhesive.

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

Also Fasatan® eco and Fasatyl® eco 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® eco</b>	<b>Fasatyl® eco</b>
	water vapour permeable for outdoors	water-vapour-proof for indoors
Thickness	0.6 mm ± 0.1 mm	0.6 mm ± 0.1 mm
S <sub>d</sub>	approx. 3.5 m	approx. 165 m
Water vapour diffusion resistance value	μ = approx. 5882	μ = approx. 276000
Max. tensile strength	> 8 MPa	≥ 7 MPa
Max. elongation at break	> 300 %	≥ 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. %	≤ 2.5 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 water vapour proof than the outer seal. Therefore use Fasatan® eco for the outer seal and Fasatyl® eco 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.

The following points must be observed when bonding our Fasatan® eco or Fasatyl® eco building sealing membrane with Fasatan® TFU on the building site:

- check the adhesive compatibility of the surface
- the surfaces 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 information 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<sup>®</sup> eco and Fasatyl<sup>®</sup> eco. The specifications refer to room temperature.

Fasatan<sup>®</sup> eco and Fasatyl<sup>®</sup> eco are instable or conditionally resistant to organic solvents. In aqueous media except in extreme cases, they are stable.

**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.

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