

Fasatan® und **Fasatyl®** are bitumen compatible sealing membranes made of EPDM and / or butyl rubber for facades. **Fasatan®** is suitable for outdoors due to its water vapour permeable characteristic. **Fasatyl®** is especially suitable for indoors due to its water-vapour-proof characteristic.

The approved quality of **Fasatan®** and **Fasatyl®** complies with DIN 18 195.

They have been examined according to DIN 4102– part1 and correspond to the building material class B 2 (DIN 4102 – part 1), when bonded onto steel, wood or massive mineral surfaces with our adhesives **Fasatan® TFS** und **Fasatan® TFU**.

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).



Our **Fasatan® Weatherstrip System** provides **Fasatan®** or **Fasatyl®** with a **non-siliconised weatherstrip sealing profile**, suitable for **Schüco small**, **Schüco large** or **Wicona small**. The **Fasatan® Weatherstrip System** therefore offers the ideal time and cost-saving solution for sealing window and facade connections.

The **Fasatan® Weatherstrip System** can naturally be combined with our proven **Fasatan® - Fix-System** – our **Fasatan®** or **Fasatyl® Weatherstrip System** is equipped with a self-adhesive butyl rubber strip for this purpose. These self-adhesive strips simplify processing and save time because application of adhesive is not necessary anymore. The butyl rubber adhesive has the same ductility as the sealing membrane and therefore bonds very well to the most different surfaces and does not bloom (**Weatherstrip System**, version B).

Bonding to brick-work / concrete on building sites can naturally also be accomplished conventionally (**Weatherstrip System**, version A) with our proven **Fasatan® TFS** or **Fasatan® TFB**, our special single-component, solvent-free, pasty adhesives supplied in a tubular bag to all usual components, also on polystyrene and similar solvent-sensitive surfaces 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 solvent-free adhesives **Fasatan® TFS**, **Fasatan® TFB**, or **Fasatan® TFU** on such surfaces.

The **Fasatan® Weatherstrip System** is available in following versions:

Weatherstrip System	A	with one-sided weatherstrip profile	
	B	with weatherstrip profile and an adhesive strip on one side	

All widths from 100 mm to 500 mm in 10 mm steps are available on request.

Butyl rubber adhesive strip for Weatherstrip System type B:	up to 150 mm foil width	20 x 1 mm butyl rubber
	up to 200 mm foil width	40 x 1 mm butyl rubber
	up to 400 mm foil width	60 x 1 mm butyl rubber

An additional mechanical mounting is necessary for the option B when using foil widths larger than 400 mm and / or for narrower butyl rubber adhesive strips.

We will be pleased to develop your individual Fasatan®-Fasatyl®-System solution on request.

Technical data:

Backing membrane

Thickness

S_d

Water vapour diffusion resistance value

Max. tensile strength

Max. elongation at break

Shore A hardness

Roll length

Water absorption during 168 h at 70 ° C

Bending test at low temperatures (- 55 ° C)

UV resistance

Fire behaviour

Aging changes during 168 hours at 115 °C:

Change of thickness

Change of tensile strength

Change of elongation at break

Dimension change

Weatherstrip profile

	Fasatan® water vapour permeable for outdoors			Fasatyl® water-vapour-proof for indoors		
Thickness	0.8 mm	1.0 mm	1.5 mm	0.8 mm	1.0 mm	1.5 mm
S _d	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		>9MPa	> 8 MPa		
Max. elongation at break	> 300%		> 400%	> 300 %		
Shore A hardness	60 ± 10			60 ± 10		
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:	max. ± 10 %			max. ± 10 %		
Change of thickness	< 10 %			< 10 %		
Change of tensile strength	< 30 %			< 35 %		
Change of elongation at break	max. ± 0.5 %			max. ± 0.5 %		
Dimension change	a non-siliconised sealing profile, alternatively suitable for Schüco small, Schüco large or Wicona small (Please indicate when ordering) Further weatherstrip profiles on request					

Processing notes:

Simply snap the weatherstrip profile into the foreseen recess on the frame or element - that's all.

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

- check the adhesive compatibility of the surface
- the surfaces must be clean, dry, solvent-, grease- and oil-free
- pre-treat absorbent surfaces with the appropriate primer
- 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!

Observe the following instructions when bonding the membrane with self-adhesive butyl rubber strips on the construction site: The surface must be clean, dry, solvent-, grease- and oil-free. Check the adhesive compatibility of the surface. Porous and absorbent surfaces must be pre-treated with our special **Multi Primer**. Grease traces must be removed with our Fasatan® Cleaner / Thinner. Remove the protective sheet and apply the product. Then continue to detach the protective sheet and firmly press the product onto the surface, avoiding air bubbles. The recommended contact pressure is 5 g / cm² to 15 g/cm². We recommend the use of a pressing roller. In order to avoid a possible adhesive force loss, ensure that the product assumes the outlines of the underground after application. Butyl rubber adhesives are solvent-sensitive. Please also observe the technical data sheet specifications and Fasatan®-Fix-System processing notes!

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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