Building Material Scout

Product Verification

Sustainability

according to BNB BN 2015
according to BREEAM International New Construction 2016
according to DGNB NBV 2015
according to DGNB Gebäude Neubau 2018
according to LEED Building Design and Construction V3 (2009)
according to LEED Building Design and Construction V4 (2015)

Fasatan® und **Fasatyl®** are bitumen compatible sealing membranes made of EPDM 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 Fasatan 0.8, Fasatan 1.0 and Fasatan strong (1.2 mm) EPDM membranes are, irrespective of the underfloor, in conjunction with bonding or mechanical adhesives, suitable for use as single-layer waterproofing membranes according to DIN 18533 in the versions Fasatan-, Fasatan Fix system, or Fasatan Weatherstrip System. For the Fasatan versions in thicknesses, which differ from the standard requirements, 0.8 and 1.0 mm, a technical approval from the DIBT in Berlin is available in form of an Allgemeine Bauartengenehmigung. The waterproofing membrane Fasatan in thicknesses ≥ 0.8 mm can be used as vertical and horizontal water barrier without transmission of lateral forces (MSB-nQ) according to the following water impact classes, which are specified in standards DIN 18533-1 and DIN 18533-2:

- W1-E: Soil water and not pressing water – sealing of surface area with soil contact
- W2.1-E: Moderate impact of pressing water ≤ 3 m depth of immersion
- W3-E: Not pressing water on with soil deluged – not trafficable –slabs
- W4-E: Capillary water in and underneath walls

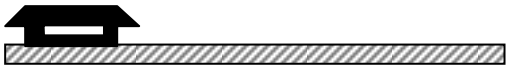
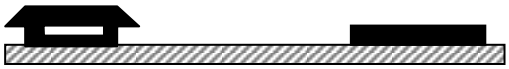
Joining of membranes has a minimum width of 10 cm and is made with the single component adhesive Fasatan TFS or with the self-adhesive Fasatan-Fix-system.

Fasatan and Fasatyl are approved quality are bitumen compatible. They have been examined according to DIN EN 13501 – 1 and correspond to the Fire Behaviour Class E normally inflammable.

Fasatan strong Fix **Fasatyl strong Fix** **Fasatan 1,0 Fix** **Fasatyl 1,0 Fix** **Fasatan 0,8 Fix** **Fasatyl 0,8 Fix** **Fasatan eco Fix** **Fasatyl eco Fix** **EN 13984**	**Fasatan strong Fix** **Fasatyl strong Fix** **Fasatan 1,0 Fix** **Fasatyl 1,0 Fix** **Fasatan 0,8 Fix** **Fasatyl 0,8 Fix** **EN 14909**	**BOSIG GmbH** **P-BAY26-05339** **DIN EN 13501 – 1**

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 naturally can be combined with our proven Fasatan®-Fix- and Optima systems – our Fasatan® or Fasatyl® Weatherstrip System is equipped with self-adhesive butyl rubber strips or acrylate self-adhesive layers for this purpose. These self-adhesive strips simplify processing and save time because application of adhesive is not necessary anymore. The adhesives have 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**, our special single-component, solvent-free, pasty adhesive 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**, 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.

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 butyl rubber self-adhesive strips or acrylate adhesive strips on the construction site:

The surface must be clean, dry, solvent-, grease- and oil-free and sufficient flat and smooth. 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 / $cm^2$to 15 g/cm^2. 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, acrylic adhesives are both water- and solvent sensitive. Please also observe the technical data sheet specifications and processing notes of Fasatan-Fix-system and Fasatan Optima-system!

Technical data:

Backing membrane	**Fasatan® 0,8**	**Fasatan® 1,0**	**Fasatan® strong**	
	water vapour permeable for outdoors			
Thickness	0.8 mm	1.0 mm	1.2 mm	
Thickness tolerance	± 20 %	± 20 %	± 10 %	
Water vapour diffusion resistance value		μ = approx. 20 000		DIN EN ISO 12572
s_d	approx. 16 m	approx. 20 m	approx. 24 m	DIN EN ISO 12572
Tensile strength	≥ 7 MPa	≥ 7 MPa	≥ 8 MPa	EN 12311-2
Elongation at break	≥ 300 %	≥ 300 %	≥ 300 %	EN 12311-2
Tear resistance	≥ 10 N	≥ 10 N	≥ 20 N	EN 12310-2
Water tightness 2 kPa water pressure		pass		EN 1928
Durability against ageing		pass		EN 1296 / EN 1931
Fire behaviour		fire behaviour Class E		EN 13501-1
Roll length		20 m		

	Fasatyl® 0,8	**Fasatyl® 1,0**	**Fasatyl® strong**	
	water-vapour-proof for indoors			
Thickness	0.8 mm	1.0 mm	1.2 mm	
Thickness tolerance	± 20 %	± 20 %	± 10 %	
Water vapour diffusion resistance value		μ = approx. 140 000		DIN EN ISO 12572
s_d	approx. 112 m	approx. 140 m	approx. 170 m	DIN EN ISO 12572
Tensile strength	≥ 7 MPa	≥ 7 MPa	≥ 8 MPa	EN 12311-2
Elongation at break	≥ 250 %	≥ 250 %	≥ 300 %	EN 12311-2
Tear resistance	≥ 10 N	≥ 10 N	≥ 20 N	EN 12310-2
Water tightness 2 kPa water pressure		pass		EN 1928
Durability against ageing		pass		EN 1296 / EN 1931
Fire behaviour		fire behaviour Class E		EN 13501-1
Roll length		20 m		

Weatherstrip profile

a non-siliconised sealing profile, alternatively suitable for
Schüco small, Schüco large or Wicona small
(Please indicate when ordering)
Further weatherstrip profiles on request

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