





Product Verification

Sustainability

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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)
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Penetrations of the air tightness layer of the building envelope must be designed with a durable airtight sealing. This requirement is specified by DIN 4108 – 7. If the vapour barrier / brake is penetrated (e.g. by cables or tubes), these holes must be sealed. The common method of bonding these problem areas by means of adhesive tape is risky and no longer represents the current state of the art. Sealflex® sealing collars offer distinct advantages with regard to their handling and tightness.

The same goes for the connection of , for instance, roof insulation sheeting or roof underlay membranes on penetrations of pitched roofs. Sealflex® sealing collars are also advantageous when it comes to design this connection quickly and easily in a neat and durable fashion.



For the different penetrations, Sealflex® sealing collars in corresponding sizes are provided, from a diameter of 8 mm for cables up to a diameter of 255 mm for corrugated pipes. The application of the Sealflex® sealing collars is extremely easy. For outdoor applications for the connection to under-roofs of Fasatan® (mostly permeable), for indoor applications for the connection to the air tightness layer of Fasatyl® (mostly impermeable).

Certification:

The emission behaviour of Fasatan® and Fasatyl® is independently tested by the analytical institute Aurachtal. Fasatan® and Fasatyl® are materials with extremely low emissions and in particular do not contain any halogenated flame inhibitors.





of Fasatan® and Fasatyl®

Material:

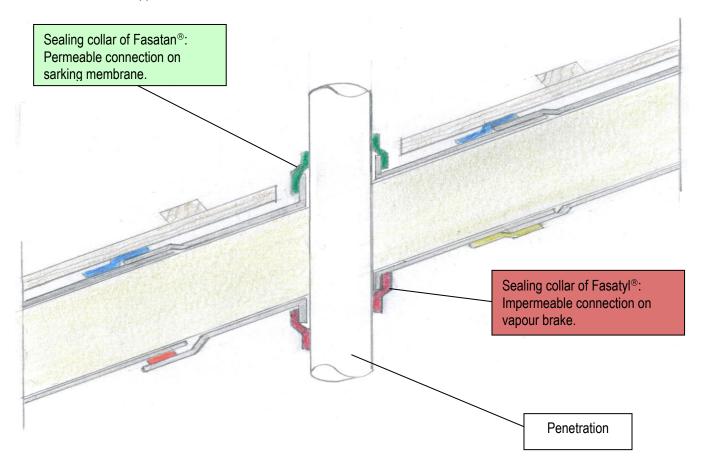
Sealflex® sealing collars of Fasatan® and Fasatyl® consist of flexible, elastic EPDM rubber. Fasatan® and Fasatyl® stand for tested quality and comply with EN 13984. Therefore Fasatan® and Fasatyl® are building products regulated on a Europe-wide level. The CE label is the proof of conformity.

Fasatan® and Fasatyl® are compatible with bitumen.



Areas of application:

Sealing of penetrations (cables / pipes) in vapour brakes / barriers or other air tightness layers in indoor applications and on under-roofs in outdoor applications.



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of Fasatan® and Fasatyl®

Technical data:	Fasatan [®] eco	Fasatan® 0,8 Fa	nsatan [®] strong	
	Vapour permeable for outdoor areas			
Thickness	0.6 mm	0.8 mm	1.2 mm	
Thickness tolerance	± 25 %	± 20 %	± 10 %	
Water vapour diffusion resistance		$\mu \le 50\ 000$		EN 1931
number		$\mu = approx. 20 000$		DIN EN ISO 12572
Water vapour diffusion equivalent air	approx. 12 m		approx. 24 m	DIN EN ISO 12572
layer thickness s _d	арргох. 12 пт	арргох. то тт	арргол. 2 г п	DIT LIT 100 12072
Tensile strength	≥ 6 MPa	≥ 7 MPa	≥ 8 MPa	EN 12311-2
Elongation at break	≥ 0 MF a ≥ 250 %	≥ 7 WF a ≥ 300 %	≥ 300 %	EN 12311-2 EN 12311-2
Tear resistance	≥ 250 % ≥ 10 N	≥ 300 % ≥ 10 N	≥ 300 % ≥ 20 N	EN 12311-2 EN 12310-2
	≥ 10 IN		≥ 20 N	
Water tightness		Requirements met		EN 1928
with 2 kPa water pressure		D		EN 4000 / EN 4004
Resistance to ageing		Requirements met		EN 1296 / EN 1931
Fire behaviour		Flammability class E		EN 13501-1
Fasatyl [®] eco Fasatyl [®] 0,8 Fasatyl [®] strong				
	Vapour impermeable for indoor applications			
Thickness	0.6 mm	0.8 mm	1.2 mm	
Thickness tolerance	± 25 %	± 20 %	± 10 %	
Water vapour diffusion resistance		µ ≤ 160 000		EN 1931
number		$\mu = approx.140 000$		DIN EN ISO 12572
Water vapour diffusion equivalent air	approx. 84 m	approx. 112	approx. 170 m	DIN EN ISO 12572
layer thickness s _d		 m		
Tensile strength	≥ 6 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	_ 1011	Requirements met	_ 20 11	EN 1928
with 2 kPa water pressure	Requirements met EN 1926			
	Requirements met EN 1296 / EN 1931			
Resistance to ageing	·			
Fire behaviour		Flammability class E		EN 13501-1
	Self-adhe	sive coating of acr	ylate dispersion	n, solvent-free
Thickness		Approx. 0,23 mm		•
Adhesive carrier		Laid scrim fabrics		
Cover material		Silicone film, white		
Peel resistance		≥ 25 N / 25 mm		According to
i eei resistance		= 25 IN / 25 IIIIII		DIN EN 1339 /
Tomporatura rango		20 ° to . 100 °C		AFERA 5001
Temperature range		- 30 ° to + 100 °C		
Application temperature		+ 5 °C to + 30 °C		
Resistance against condensation water		Good		
Resistance to ageing		Very good		
Plasticiser resistance		Very good		
Adhesive properties	Α	ggressively adhesiv	е	





of Fasatan® and Fasatyl®

Application:

Manually directly from the roll. Press the vapour brakes to be adhered firmly onto the surface of the self-adhesive layer, remove the protective film, fix the exposed adhesive surface on the substrate and then activate the glued areas by firm pressing and rubbing.

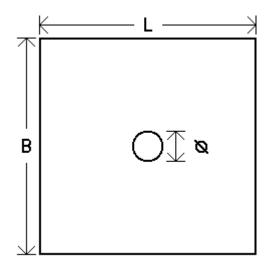
The substrate must be clean, dry and free from dust and grease! Furthermore the substrate must be firm and have a sufficient load capacity to ensure that the adhesive can be pressed on firmly.

Storage:

When stored properly, i.e. covered and in original packaging at a storage temperature of 15 to 25 °C and a relative humidity of 40 to 60 % the storage suitability is 12 months.

Dimensions:

Collar dimensions	Opening diameter
Length x width – L x B	Centre hole punched
L x B = 150 x 150 mm	ø = 5 / 10 mm
L x B = 260 x 260 mm	ø = 12 / 25 / 45 / 70 mm
L x B = 345 x 345 mm	ø = 60 / 100 / 135 mm
L x B = 520 x 520 mm	ø = 150 / 190 / 255 mm



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, 2024. Please request the latest version after Jan. 01, 2025.

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

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