

Fasatan® and Fasatyl® are EPDM rubber sealing foils for facade areas. A special web layer renders Fasatan® Optima es external and Fasatyl® Optima es internal amenable to plastering.

Fasatan® Optima es and Fasatyl® Optima es will offer you the following advantages:

- will absorb all normal structural expansion
- solvent-free
- durably sealing
- clear cost-saver due to saved time
- waterproof pursuant to EN 1928
- can be plastered

Fasatan® Optima es and Fasatyl® Optima es are available in a variety of types with different widths of self-adhesive coating. Please do not hesitate to ask – we will design your solution.



Fasatan strong
Fasatan 1,0
Fasatan 0,8
Fasatan eco

Fasatyl strong
Fasatyl 1,0
Fasatyl 0,8
Fasatyl eco

EN 13984

Technical data:

Sealing membrane

Fasatan® eco Optima es	Fasatan® 0,8 Optima es	Fasatan® 1,0 Optima es	Fasatan® strong Optima es
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water vapour permeable for outdoors

Thickness	0.6 mm	0.8 mm	1.0 mm	1.2 mm
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Thickness tolerance	± 25 %	± 20 %	± 20 %	± 10 %
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Water vapour diffusion
resistance value

$\mu \leq 50\,000$

$\mu = \text{approx. } 20\,000$

EN 1931

DIN EN ISO 12572

S_d approx. 12 m

approx. 16 m

approx. 20 m

approx. 24 m

DIN EN ISO 12572

Tensile strength

≥ 6 MPa

≥ 7 MPa

≥ 7 MPa

≥ 8 MPa

EN 12311-2

Elongation at break

≥ 250 %

≥ 300 %

≥ 300 %

≥ 300 %

EN 12311-2

Tear resistance

≥ 10 N

≥ 10 N

≥ 10 N

≥ 20 N

EN 12310-2

Water tightness

pass

EN 1928

2 kPa water pressure

Sealing membrane

Fasatyl® eco Optima es	Fasatyl® 0,8 Optima es	Fasatyl® 1,0 Optima es	Fasatyl® strong Optima es
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water vapour proof for indoors

Thickness	0.6 mm	0.8 mm	1.0 mm	1.2 mm
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Thickness tolerance	± 25 %	± 20 %	± 20 %	± 10 %
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Water vapour diffusion
resistance value

$\mu \leq 160\,000$

$\mu = \text{approx. } 140\,000$

EN 1931

DIN EN ISO 12572

S_d approx. 84 m

approx. 112 m

approx. 140 m

approx. 170 m

DIN EN ISO 12572

Tensile strength

≥ 6 MPa

≥ 7 MPa

≥ 7 MPa

≥ 8 MPa

EN 12311-2

Elongation at break

≥ 250 %

≥ 250 %

≥ 250 %

≥ 300 %

EN 12311-2

Tear resistance

≥ 10 N

≥ 10 N

≥ 10 N

≥ 20 N

EN 12310-2

Water tightness

pass

EN 1928

2 kPa water pressure

Fasatan®- / Fasatyl® Optima es

UV and weather resistance

max. 6 months. Afterwards the web layer will be damaged

Length of roll

20 m

Thermal stability

- 30 °C to + 75 °C

Processing notes:

The inner seal must be more vapour diffusion-proof than the outer seal. Therefore use Fasatan® Optima es for the outer seal and use Fasatyl® Optima es 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.

Bonding of the membranes on site is done with **Fasatan® TFS**, **Fasatan® TFU** or with the **self-adhesive layer**.

Please observe the following instructions when bonding the membranes with **Fasatan® TFS**, **Fasatan® TFU**:

- 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!

Please observe the following instructions when bonding the membranes with an integrated self-adhesive layer of our BOSIG High Tack adhesive:

The substrate must be clean, dry and free of solvents, grease and oil. The compatibility of adhesive and substrates should also be checked. Use a suitable solvent to remove residues of grease and bitumen.

To affix Fasatan® Optima es / Fasatyl® Optima es to the substrate, partially peel the cover foil off the adhesive layer and position the product. Attention: Because the sealing membrane will stretch more than the self-adhesive coating, it may peel off the latter if excessively stretched longitudinally. This must be avoided.

Continue to peel off the cover foil and constantly and firmly press down the product, also avoiding the creation of air bubbles.

The recommended press-down pressure is between 5 g / cm² and 15 g / cm². We recommend using a pinch roller here. To prevent potential loss of adhesion, ensure that the product will follow the surface contours after application. Do not stretch Fasatan® Optima es / Fasatyl® Optima es when installing.

Use our paste-like adhesive Fasatan® TFS in the flow pack to level uneven areas, to chamfer the foil edge for protection from water penetration, to seal corner areas where necessary and to plug butt joints between strips or any gaps.

Sealing should be pursuant to DIN 18533: An additional hold-down or clamping strip or other mechanical method of fastening (such as the window sill, for instance) is used to affix the foil to its substrate.

Ensure, especially in low temperatures, that all bonding surfaces are free of frost and ice. It may be necessary to prime the substrate, for instance to stabilise sandy surfaces or seal absorbent surfaces. We recommend our **Multi Primer** here. Initial adhesion will be reduced if applied at temperatures between 0 °C and - 10 °C. Although application will be possible at such temperatures, longer contact times will be required before the high ultimate strength is reached.

Fasatan Optima es / Fasatyl Optima es surfaces may be plastered after installation.

Storage:

12 months from date of manufacture, in tightly closed original container.

Storage in a properly ventilated storage area at temperatures up to + 30 °C.

Storage at temperatures in excess of + 30 °C may lead to difficulties when peeling the silicone foil.

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