

Fasatan® and Fasatyl® are bitumen compatible EPDM rubber sealing foils around the façades. They are self-adhesive thanks to the tailor-made BOSIG High Tack adhesive. This self-adhesive strip will render the application particularly time-saving and simple, since it obviates the application of adhesives and their associated flash off time. The special adhesive strip exhibits excellent adhesion to a variety of substrates without causing efflorescences. Fasatan® and Fasatyl® are examined according to DIN EN 13501 – 1 and correspond to the Fire Behaviour Class E normally inflammable.

Fasatan® - and Fasatyl® Optima will offer you the following benefits:

- simply sticks to many different substrates, without additional measures
- no fluid adhesive systems soiling window surfaces
- will follow all normal structural expansion
- solvent-free
- durable sealing
- clear cost-saver due to saved time

Fasatan®- and Fasatyl® Optima 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.

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 max.

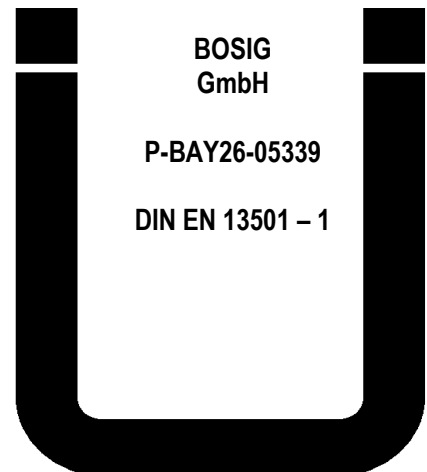
Storage at temperatures in excess of + 30 °C may lead to difficulties when peeling the silicone paper.



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

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

EN 13984



BOSIG
GmbH

P-BAY26-05339

DIN EN 13501 – 1

Technical data:

| Sealing membrane | Fasatan® eco Optima | Fasatan® 0,8 Optima | Fasatan® 1,0 Optima | Fasatan® strong Optima | |
|--|--------------------------------|--|--------------------------------|-----------------------------------|-----------------------------|
| Thickness | 0.6 mm | 0.8 mm | 1.0 mm | 1.2 mm | |
| Thickness tolerance | ± 25 % | ± 20 % | ± 20 % | ± 10 % | |
| Water vapour diffusion resistance value | | $\mu \leq 50\,000$ | | | EN 1931 |
| S_d | approx. 12 m | $\mu = \text{approx. } 20\,000$ | | | DIN EN ISO 12572 |
| Tensile strength | ≥ 6 MPa | approx. 16 m | approx. 20 m | approx. 24 m | DIN EN ISO 12572 |
| Elongation at break | ≥ 250 % | ≥ 7 MPa | ≥ 7 MPa | ≥ 8 MPa | EN 12311-2 |
| Tear resistance | ≥ 10 N | ≥ 300 % | ≥ 300 % | ≥ 300 % | EN 12311-2 |
| Water tightness 2 kPa water pressure | | ≥ 10 N | ≥ 10 N | ≥ 20 N | EN 12310-2 |
| Durability against ageing | | pass | | | EN 1296 / EN 1931 |
| Fire behaviour | | fire behaviour Class E | | | EN 13501-1 |
| Sealing membrane | Fasatyl® eco Optima | Fasatyl® 0,8 Optima | Fasatyl® 1,0 Optima | Fasatyl® strong Optima | |
| Thickness | 0.6 mm | water vapour proof for indoors | | | |
| Thickness tolerance | ± 25 % | 0.8 mm | 1.0 mm | 1.2 mm | |
| Water vapour diffusion resistance value | | $\mu \leq 160\,000$ | | | EN 1931 |
| S_d | approx. 84 m | $\mu = \text{approx. } 140\,000$ | | | DIN EN ISO 12572 |
| Tensile strength | ≥ 6 MPa | approx. 112 m | approx. 140 m | approx. 170 m | DIN EN ISO 12572 |
| Elongation at break | ≥ 250 % | ≥ 7 MPa | ≥ 7 MPa | ≥ 8 MPa | EN 12311-2 |
| Tear resistance | ≥ 10 N | ≥ 250 % | ≥ 250 % | ≥ 300 % | EN 12311-2 |
| Water tightness 2 kPa water pressure | | ≥ 10 N | ≥ 10 N | ≥ 20 N | EN 12310-2 |
| Durability against ageing | | pass | | | EN 1296 / EN 1931 |
| Fire behaviour | | fire behaviour Class E | | | EN 13501-1 |
| Special adhesive strip | | BOSIG High Tack Adhesive | | | |
| Adhesive strength on steel | | 25 N / 25 mm | | | AFERA 5001 / DIN EN 1939 |
| Fasatan®- / Fasatyl® Optima | | 20 m | | | |
| Length of roll | | - 30 °C to + 75 °C | | | |
| Thermal stability | | recommended + 5 °C to + 35 °C, possible from - 10 °C | | | |
| Application temperature | | | | | |

Processing notes:

The inside seal must be more impermeable to vapour than the outer sealing. This is why the outer seal should be Fasatan® Optima and the inner sealing Fasatyl® Optima.

To avoid thermal bridges and temperatures below dewpoint on the inside, ensure that the gaps are first sealed with a suitable insulating material (mounting foam / mineral wool or similar).

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

To affix Fasatan® Optima / Fasatyl® Optima to the substrate, position the product after partially peeling the cover foil off the adhesive layer. Attention: Because the sealing membrane will stretch significantly more than the self-adhesive strip, it may peel off the latter if excessively stretched along its length. This must be avoided.

Continue to peel off the cover foil and constantly firmly press down the product, avoiding air bubble formation. 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. Fasatan® Optima / Fasatyl® Optima is always fitted without tensioning.

Use our paste-like adhesive Fasatan® TFS in the flow pack to smooth uneven areas, to fill 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 as prescribed in DIN 18195: 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.

Especially in low temperatures, it must be ensured that all bonding surfaces are free of any 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** in such cases. Initial adhesion will be reduced if applied at temperatures between 0 and - 10 °C. Although application is possible at such temperatures, longer times of contact will be required for high ultimate strength.

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, 2022. Please request the latest version after Jan. 01, 2023.

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