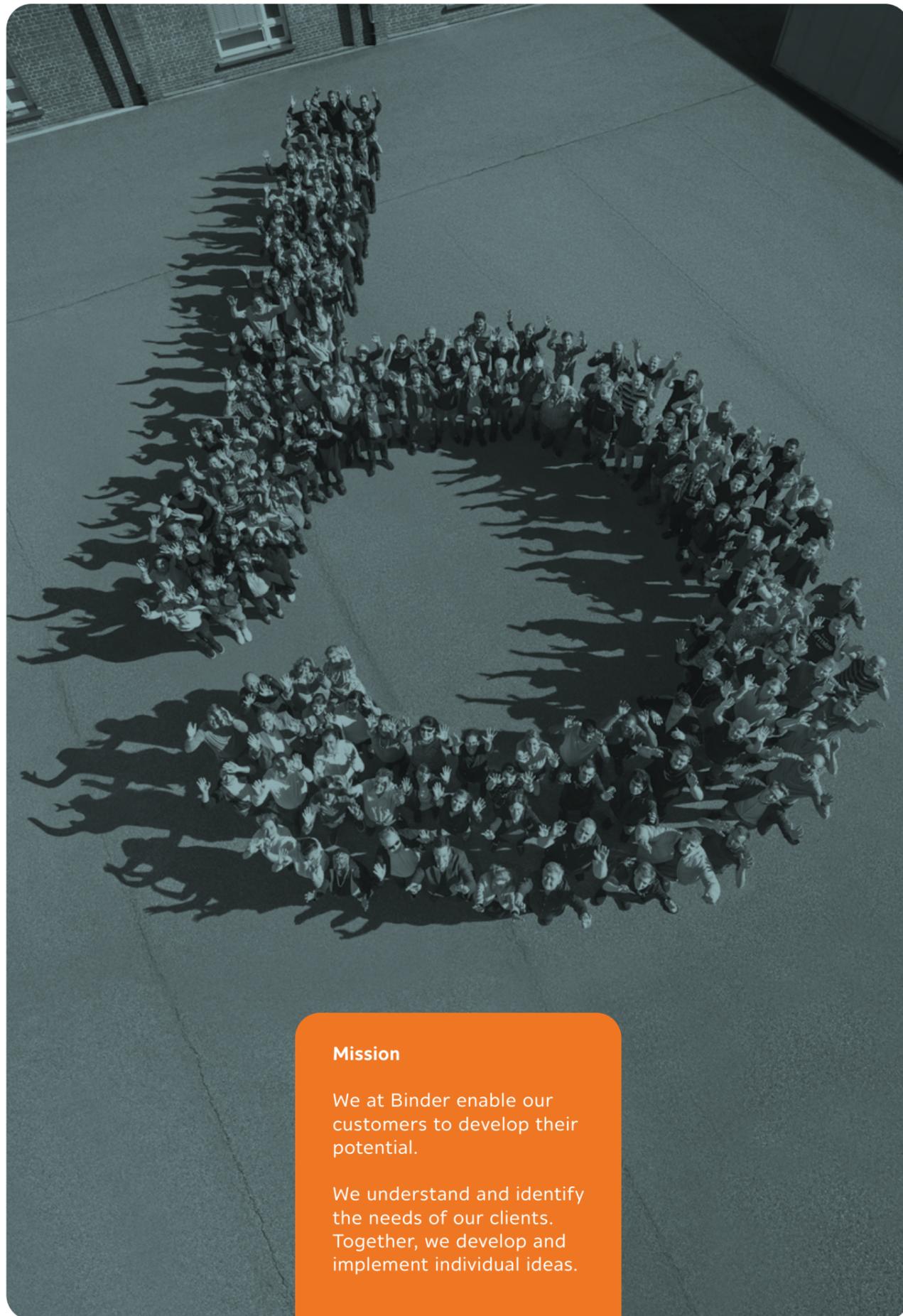




■ **Customised fastening solutions: repositionable and reclosable**

Because everything has to fit when flying

This information is for promotional purposes only and is not suitable for specification purposes. It is based upon knowledge or tests that Gottlieb Binder GmbH & Co. KG believes is/are reliable, but the accuracy or completeness of such information is not guaranteed. Specification information available upon request.



Mission

We at Binder enable our customers to develop their potential.

We understand and identify the needs of our clients. Together, we develop and implement individual ideas.

■ Your success starts with our solutions

More than two centuries ago, in 1798, the impressive story of our family business began in Holzgerlingen, Germany. To this day, we at Binder are highly ingenious and we place great emphasis on quality and durability. We also have a certain penchant for perfection.

Our numerous developments and patents as well as our continuous search for innovative solutions are why we've risen to become a technology leader for high-tech fastener systems over the last two centuries. We are constantly expanding our innovative edge by relying on our own research and development and we collaborate with leading research institutes and universities. We develop and produce exclusively in Germany.

To us, our customers' tasks are an exciting challenge that we take on with a great deal of commitment, know-how and passion. Our goal is to enable companies in every industry to develop their potential with our fastening solutions and to differentiate themselves in the market.

” **What started as a simple idea now opens up entirely new dimensions. We pride ourselves on meeting our customers' challenges with a diverse range of fastening solutions. Individual, tailor-made, for every industry.**



Patrick Geffers Managing Director

Recommended fastening solutions: Welcome on board

We're ready to assist you – even at an altitude of 10,000 m. The aircraft industry places its trust in our fastening solutions when it comes to keeping people safe. For external insulation as well as on board. In the cockpit and the galley, from airplane seats and panels to the carpet in the cabin, everything has to be securely fixed in place, even if it gets turbulent. And it can still be released quickly and easily in the event of service or repairs.

Seating

Fixation of seat covers & panels for all aircraft seats.

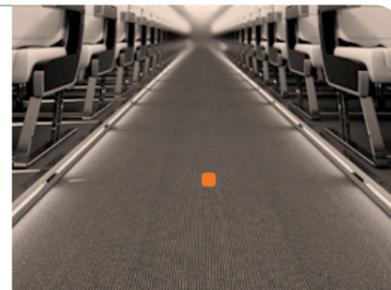
Klettostar®, Duotec®, Pressotex®, Velour, Microplast®



Flooring

Fixation of textile & non-textile floor coverings.

Microplast®, Pressotex®, Velour



Interior panelling

Fixation of any kind of panels & wall coverings.

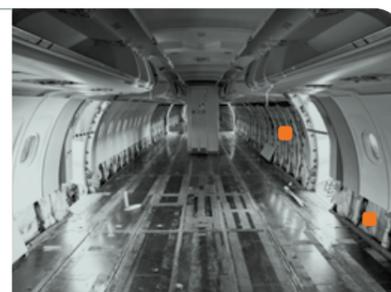
Duotec®, Mididuotec®, Klettostar®, Pressotex®, Velour, Profiles, Clips



Insulation

Fixation of insulation panels & mats.

Klettostar® HT



Quality is a top priority for us

Whether sustainability, quality management or social responsibility – we set high standards for ourselves and are also externally evaluated. The certificates and awards from independent institutes are very important to us and an ongoing incentive to become that little bit better.



Flame-retardant

Most of our products are available in self-adhesive and flame-retardant versions; multiple products satisfy worst-case test criteria in our in-house laboratory testing; and to meet the requirements of the radiant panel test, we developed the Klettostar® HT.

Most of our products with a flame-retardant finish meet the requirements according to:

- FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
- FAR §25.853 (a) App. F, Part I, (a) (1) (v)
- ABD 0031 Smoke density and toxicity
- ASTM E 662



Lightweight

We provide you with high-performance solutions that enable weight-optimised and also mono-component fastening alternatives. Less material reduces weight and fuel consumption while contributing to sustainability.



In-house laboratory

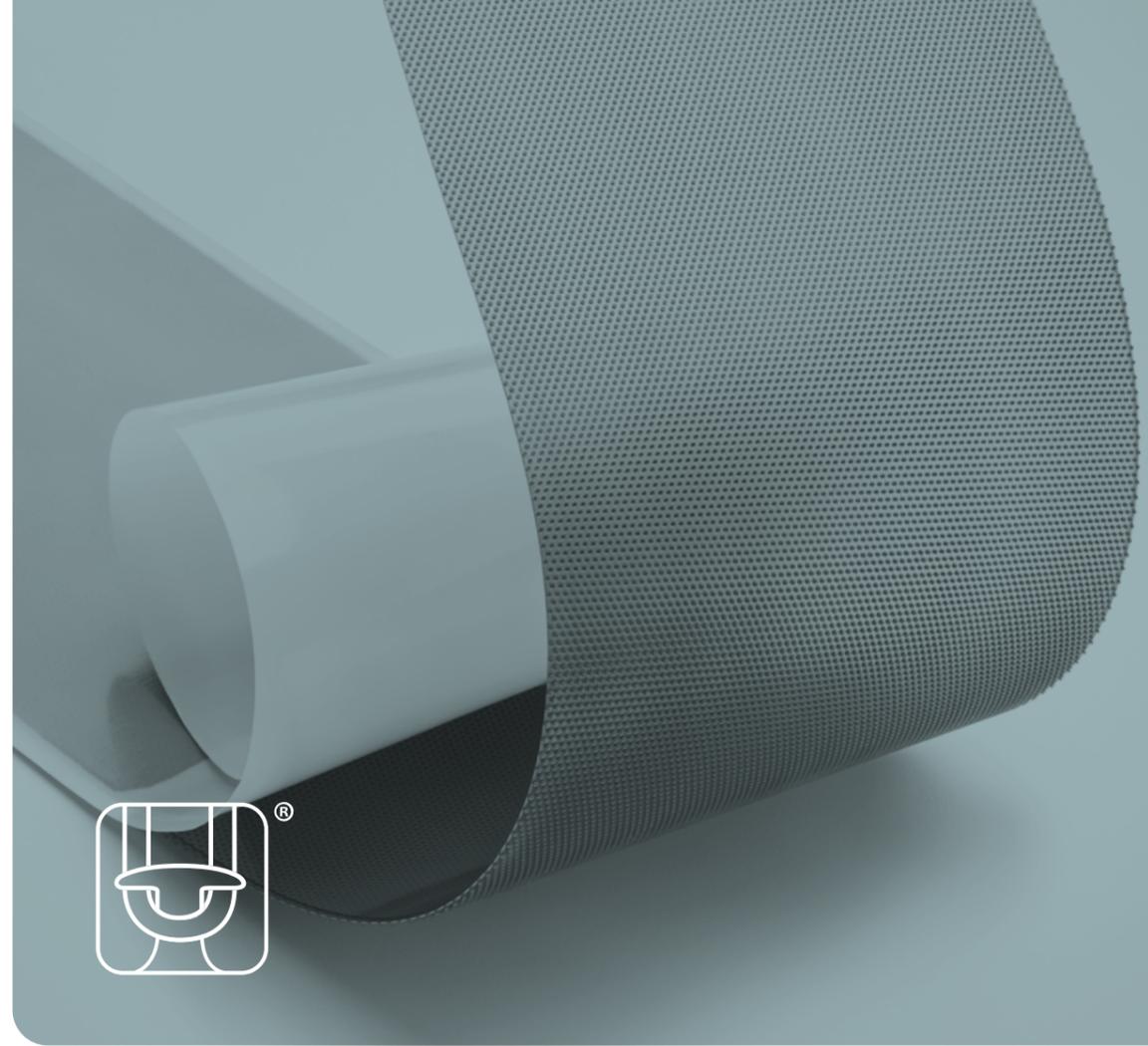
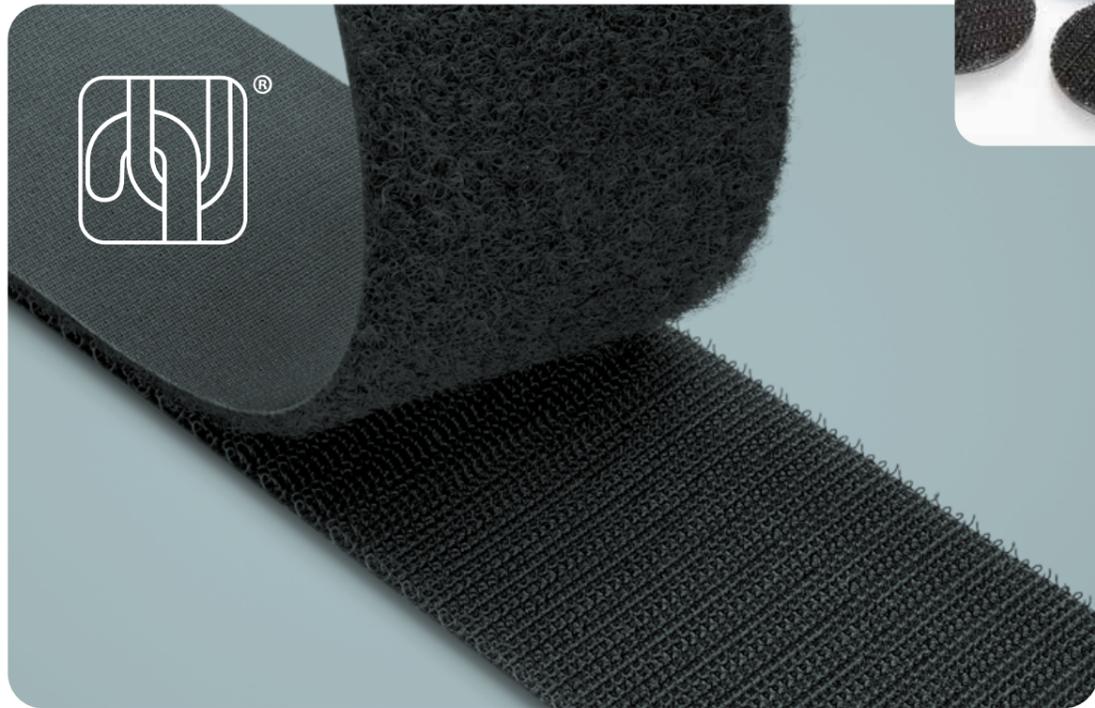
For us, customer satisfaction and confidence in our products comes first. To meet this high standard, we conduct our own in-house laboratory tests. These tests enable us to ensure that our fastening solutions meet the highest requirements.

■ Klettostar® FR

15147-F7 (Hook) | 15244-F7 (Loop)

- Self-adhesive PA hook-and-loop with high shear resistance under temperature load
- Temperature range approx. -30 °C to +70 °C
- Suitable for a wide range of substrates
- Flame-retardant acc. to:
 - FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
 - ABD 0031
 - ASTM E 662

- High number of opening and closing cycles
- Available in widths from 10 to 200 mm in different dimensions, colours and as geometric shapes
- Thickness approx. 3.5–4.0 mm (closed)
- Peel strength: approx. 2.6 N/cm
- Shear strength: approx. 12.0 N/cm²



■ Microplast® FR

25446-F5

- Ultra-thin PP film with microscopic fastening elements
- Equal peel and shear forces in all directions
- Very efficient and reusable fastener for floor coverings
- Self-adhesive with high shear resistance under temperature load
- Flame-retardant acc. to:
 - FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
 - ABD 0031
- Suitable for a wide range of substrates
- Available in widths from 10 to 50 mm in different dimensions and as geometric shapes
- Thickness of approx. 0.5 mm, approx. 1.8–2.0 with Velour FR 88295-F7



■ Klettostar® HT

20141-00 (Hook) | 20246-00 (Loop)

- PPS hook-and-loop
- Resistant at high temperatures up to 260 °C
- Highest flame retardancy, complies with the radiant panel test of the aircraft industry
- Resistant to aggressive chemicals
- High number of opening and closing cycles
- Available from 20 to 50 mm
- Thickness of approx. 3.1 mm
- Peel strength: approx. 1.8 N/cm
- Shear strength: approx. 11.0 N/cm²





■ Pressotex® FR

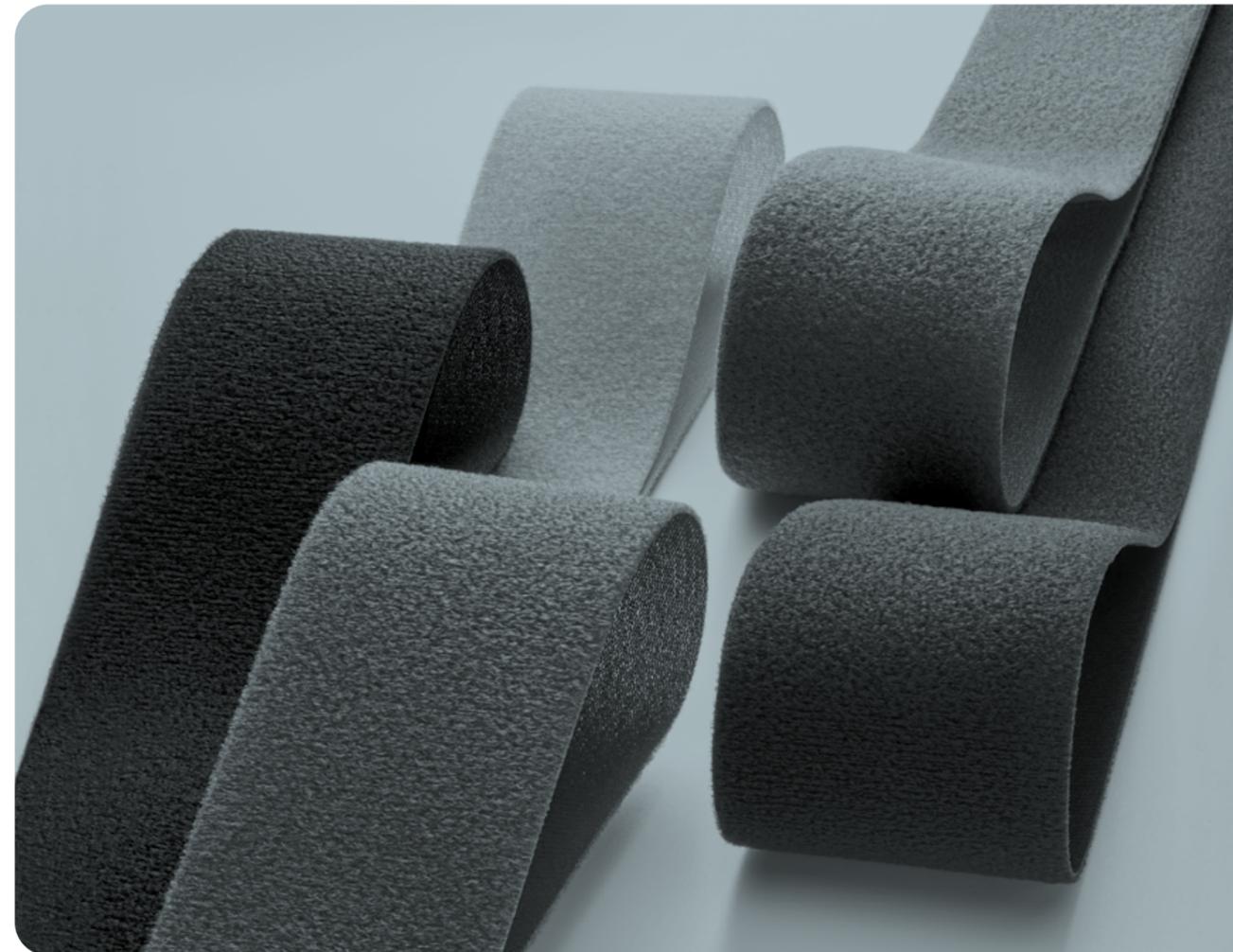
75161-F7

- Self-adhesive PES/PP fastener with mushroom-shaped heads and high shear resistance under temperature load
- Temperature range approx. -30 °C to +70 °C
- Suitable for a wide range of substrates
- Flame-retardant acc. to:
 - FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
 - ABD 0031
 - ASTM E 662
- High tensile, peel and shear strength
- Ideal in combination with Velour FR 88295-F7
- High number of opening and closing cycles
- Available in widths from 10 to 120 mm in different dimensions and as geometric shapes
- Thickness approx. 2.5–3.0 mm in combination with Velour FR 88295-F7
- Peel strength: approx. 3.5 N/cm
- Shear strength: approx. 35.0 N/cm²

■ Velour FR

88295-F7

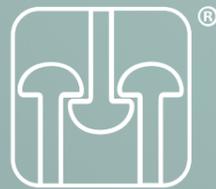
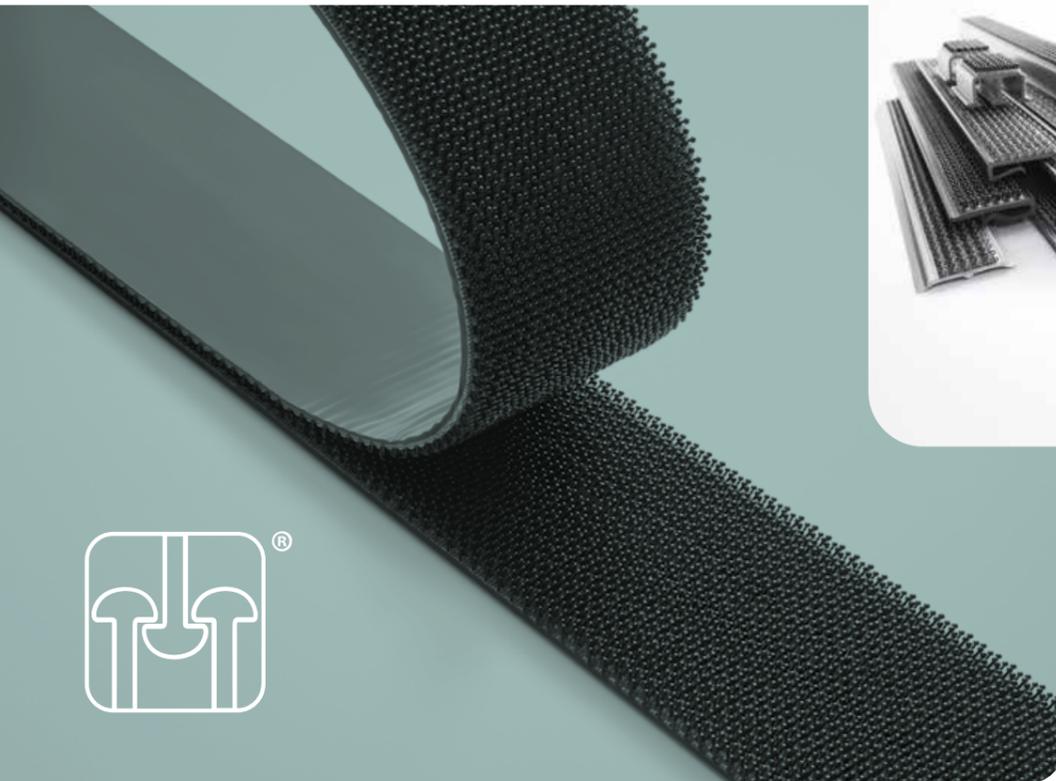
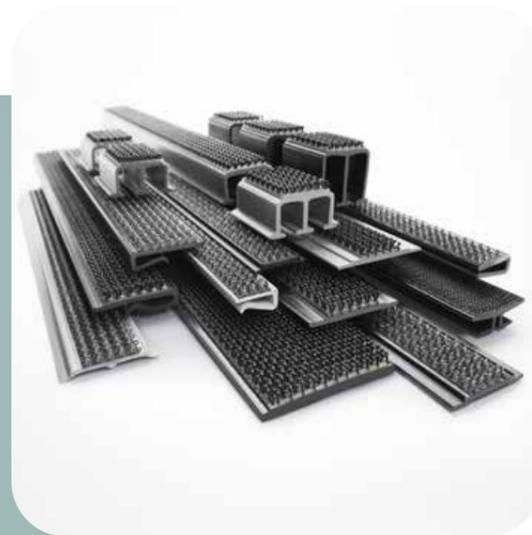
- Self-adhesive velour with high shear resistance under temperature load
- Suitable for a wide range of substrates
- Temperature range approx. -30 °C to +70 °C
- Flame-retardant acc. to:
 - FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
 - ABD 0031
 - ASTM E 662
- High tensile, peel and shear strength
- Ideal in combination with Pressotex® FR 75161-F7
- High number of opening and closing cycles
- Available in widths from 10 to 120 mm in different dimensions and as geometric shapes
- Thickness approx. 2.5–3.0 mm (in combination with Pressotex® FR 75161-F7)
- Peel strength: approx. 3.5 N/cm
- Shear strength: approx. 35.0 N/cm²
- Different colours available



■ Duotec® 50 FR

78763-F7

- Interlocking PA/PP fastener with mushroom-shaped heads
- High, durable tensile strength
- Can be positioned and locked securely: the fastener will not engage until the defined pressure point has been overcome
- Self-adhesive with high shear resistance under temperature load
- Flame-retardant acc. to:
 - FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
 - ABD 0031
 - ASTM E 662
- Suitable for a wide range of substrates
- Available in a width of 25 mm, others on request
- Thickness of approx. 4.8 mm
- Can be opened and closed again without any damage for repair purposes
- Tensile disengagement of approx. 35 N/cm²



■ Duotec® clips

- Injection-moulded products with our fasteners
- Securely engaged
- Quick fastening without rattling
- Tool-free installation
- A variety of dimensions
- Tensile disengagement of approx. 35 N/cm²

■ Duotec® profiles

- Plastic profiles in combination with our fasteners
- Can be manufactured in most common plastics
- Resistant to UV rays, ageing, water and chemicals
- Individual profile geometries and customised functionality possible
- Can be combined with various Binder fastening systems
- Tensile disengagement of approx. 35 N/cm²



■ Mididuotec®

76460

- Small interlocking PA/PP fastener with mushroom-shaped heads
- High, durable tensile strength
- Can be positioned and locked securely: the fastener will not engage until the defined pressure point has been overcome
- Suitable for a wide range of substrates
- Available in a width of 25 mm, others on request
- Small fastening thickness of approx. 2.3 mm
- Can be opened and closed again if necessary without destroying components
- Tensile disengagement of approx. 15 N/cm²
- Self-adhesive, available as geometric shapes and can be combined with profiles

Interested in Binder's fastening solutions?

Contact us to find out more about Binder and our latest innovations.
 Phone: +49 7031 683 0 | E-mail: sales@binder.de