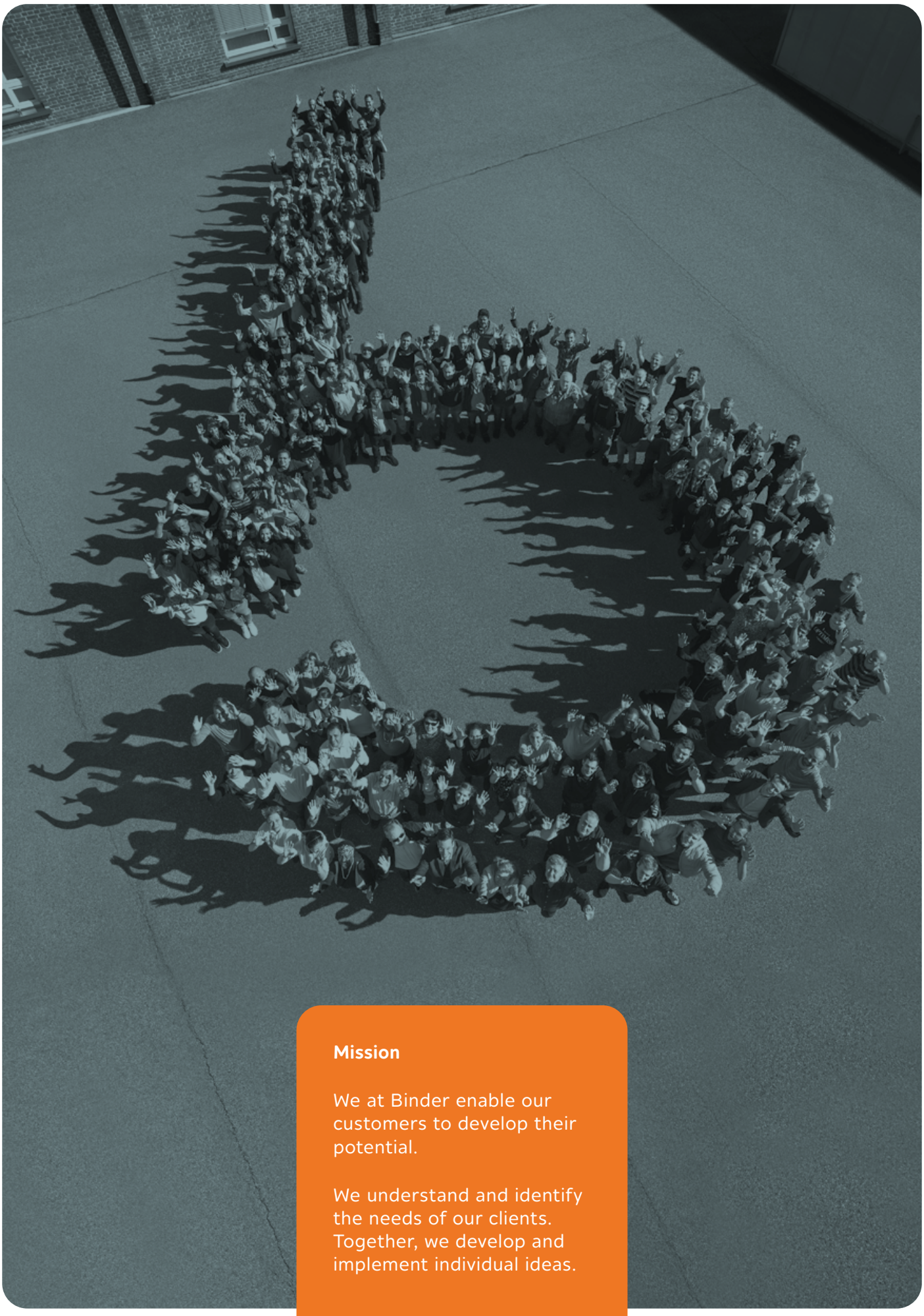
AIRCRAFT



Application-specific fastening solutions

Repositionable and reclosable

binder



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® FR, 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® FR, Pressotex®, Velour



Insulation

Cross-compatible fixation of insulation blankets.

Klettostar® HT



Quality is a top priority for us

Whether sustainability, quality management or social responsibility – we set high standards for ourselves and also undergo external evaluation. 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 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. Using 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 your 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-G7 (Hook) | 15244-G7 (Loop)

- Self-adhesive PA hook-and-loop fastener
- Flame-retardant adhesive with high shear resistance at elevated temperature
- Temperature range approx. -30 °C to +70 °C
- Mountable to a wide range of surfaces
- 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 to 4.0 mm (closed)
- Peel strength: approx. 2.6 N/cm
- Shear strength: approx. 12.0 N/cm²



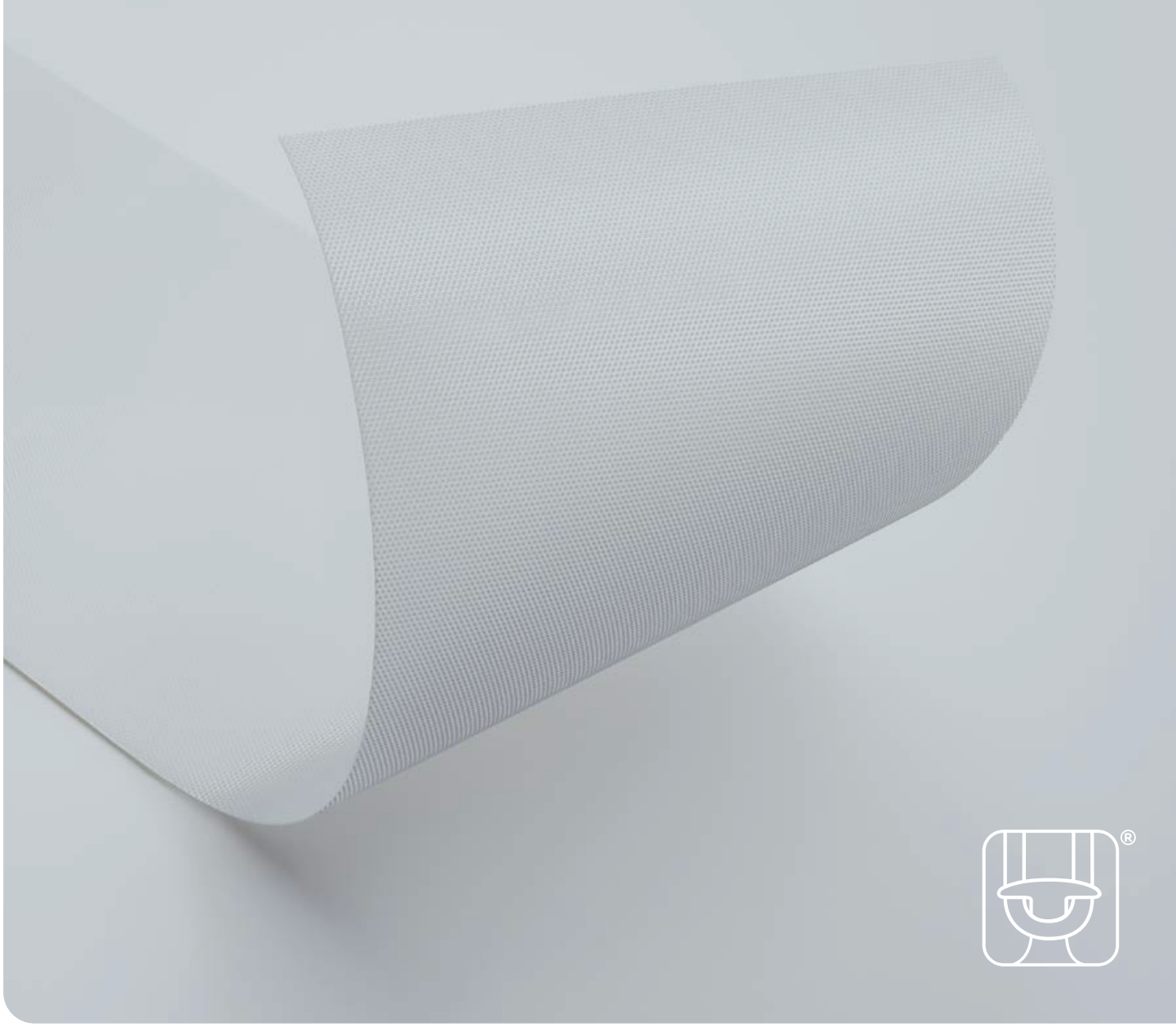




Klettostar® HT

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

- PPS hook-and-loop fastener
- Resistant to 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

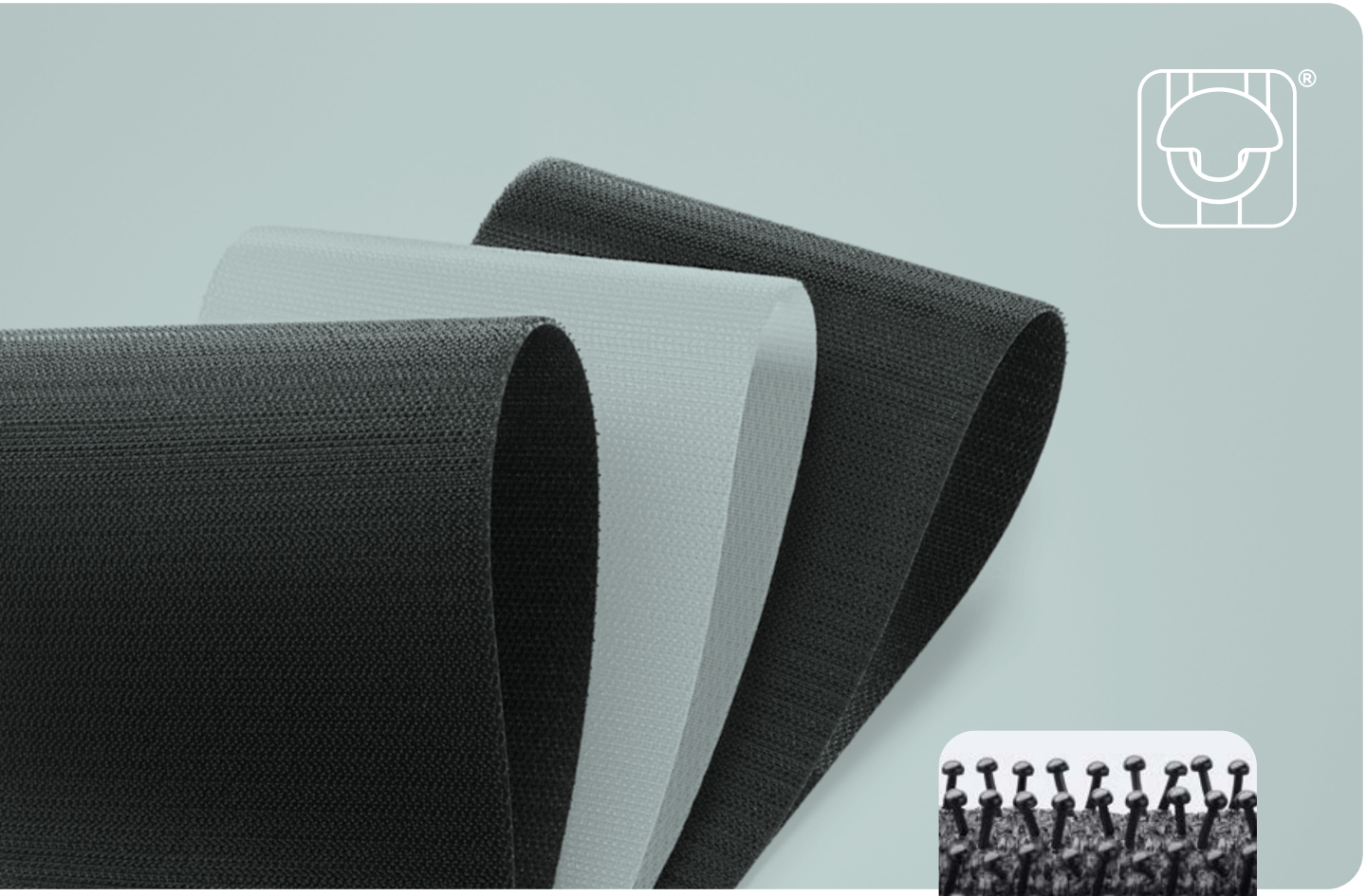


Microplast® FR

65446-G5 | 65446-G2

- PP touch-activated ultra-thin film fastener (TUFF)
- Flame-retardant
- Very efficient and reusable fastener for floor coverings
- Flame-retardant adhesive with high shear resistance at elevated temperature
- Flame-retardant acc. to:
  – FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
  – ABD 0031
- Mountable to a wide range of surfaces
- Available in widths from 10 to 50 mm in different dimensions and as geometric shapes
- Thickness of approx. 0.5 mm,
  approx. 1.8 to 2.0 with Velour FR 88295-G7





Pressotex® FR

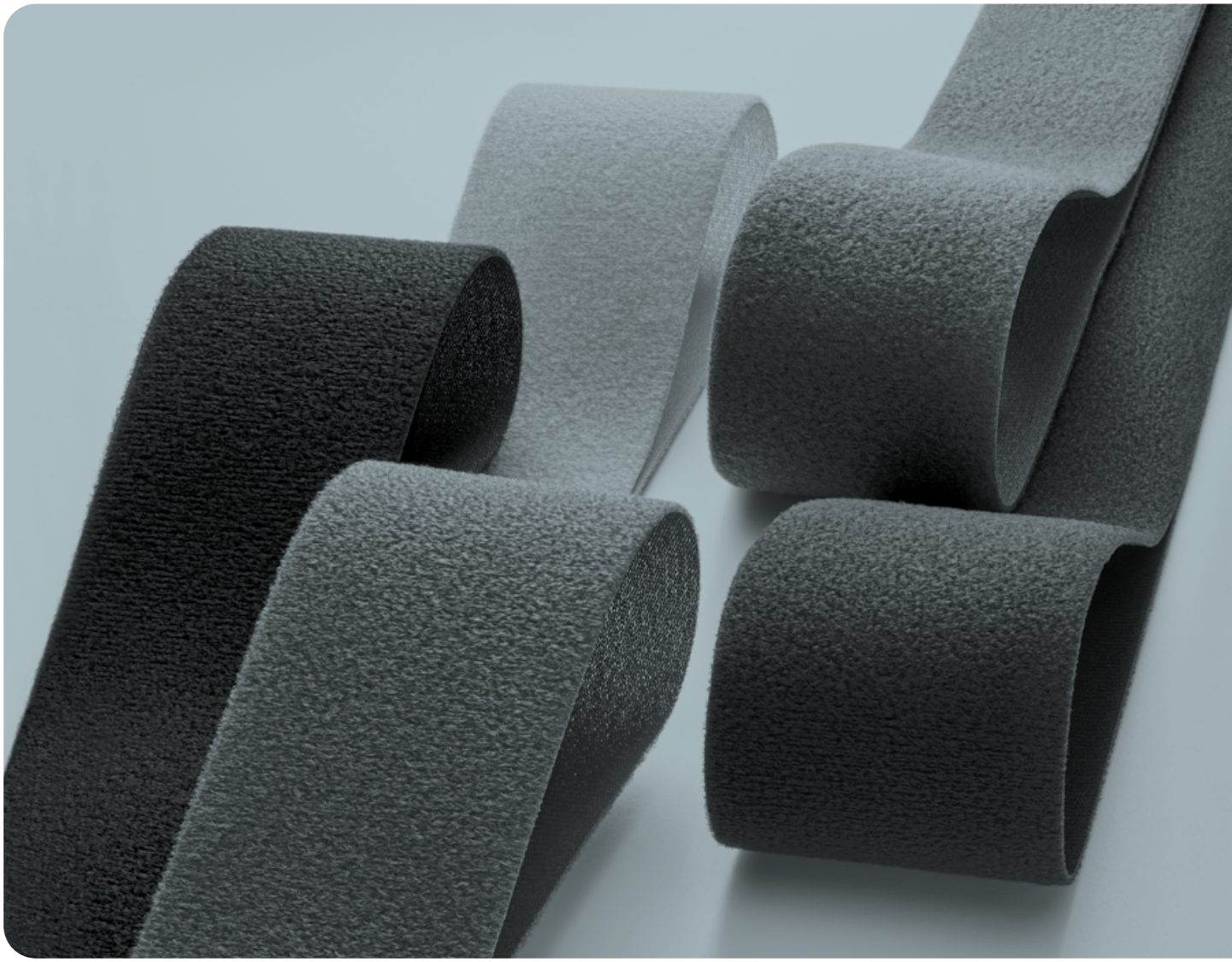
75161-G7

- Self-adhesive PES/PP fastener with mushroom-shaped heads
- Flame-retardant adhesive with high shear resistance at elevated temperature
- Temperature range approx. -30 °C to +70 °C
- Mountable to a wide range of surfaces
- 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-G7
- 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 to 3.0 mm in combination with Velour FR 88295-G7
- Peel strength: approx. 3.5 N/cm
- Shear strength: approx. 35.0 N/cm^2

Velour FR

88295-G7

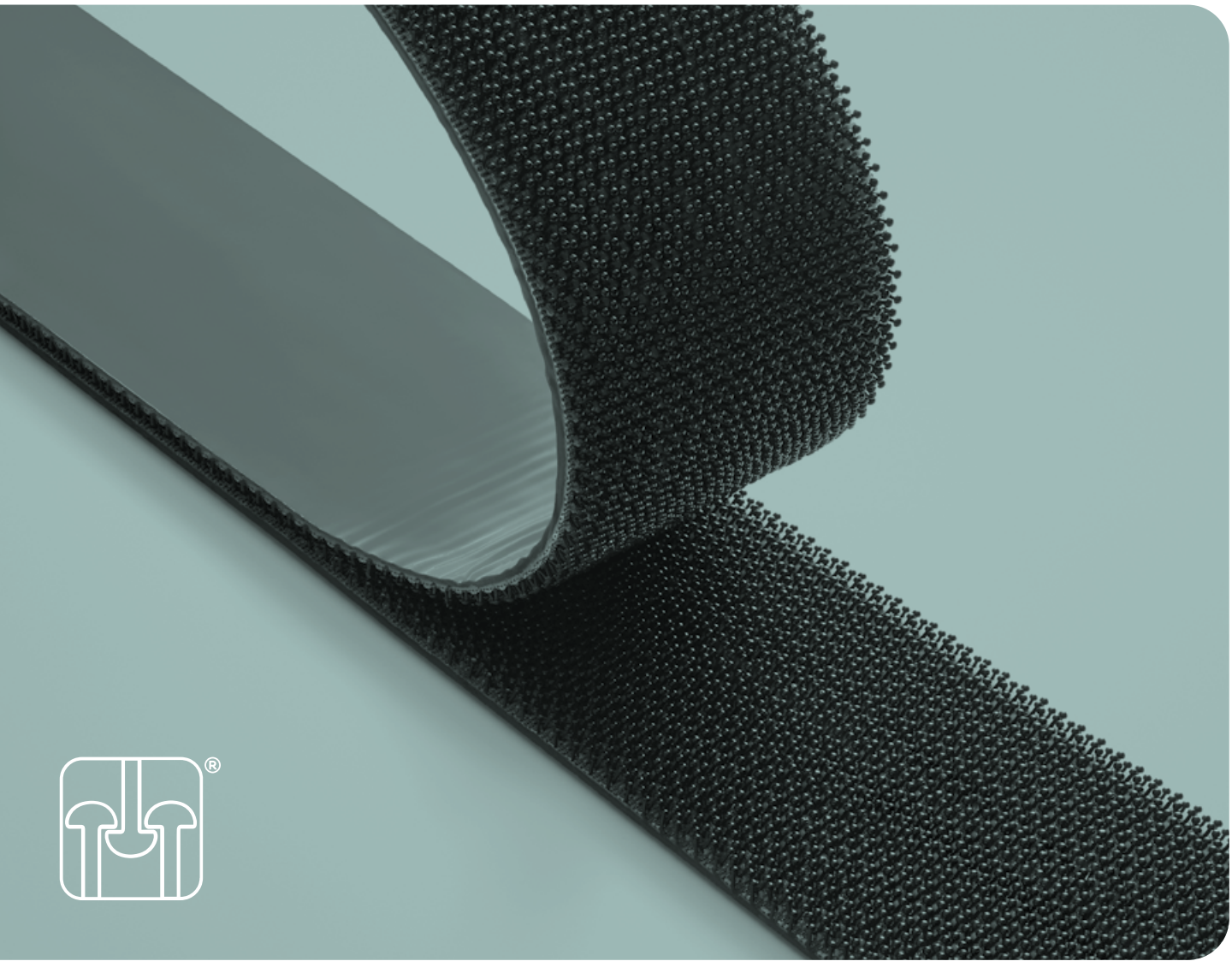
- Self-adhesive Velour
- Flame-retardant adhesive with high shear resistance at elevated temperature
- Mountable to a wide range of surfaces
- Temperature range approx. -30 °C to +70 °C
- Flame-retardant acc. to:
  – FAR §25.853 (a) App. F, Part I, (a) (1) (ii) & (b) (4)
  – ABD 0031
  – ASTM E 662
- High tensile, peel and shear strength
- Ideal in combination with Pressotex® FR 75161-G7
- 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 to 3.0 mm (in combination with Pressotex® FR 75161-G7)
- Peel strength: approx. 3.5 N/cm
- Shear strength: approx. 35.0 N/cm²
- Different colours available



Duotec® 50 FR

75763-G7

- Self-engaging reclosable fastener (SERF)
- High-security fastener - resistant to unintentional opening
- Very strong holding power after locking
- Defined level of force required to unlock
- Allows for opening and reattachment of the fastener by skilled personnel
- Flame-retardant adhesive with high shear resistance at elevated temperature
- Flame-retardant acc. to:
  - FAR §25.853 (a) App. F, Part I, (a) (1) (v)
  - FAR §25.853 (a) App. F, Part I, (a) (1) (ii)
  - ABD 0031
  - ASTM E 662
- Mountable to a wide range of surfaces
- Available in a width of 25 mm, others on request
- Thicknesses begin at approx. 4.5 mm
- Minimum tensile disengagement of approx. 50 N/cm^2





Mididuotec®

76460

- Self-engaging reclosable fastener (SERF)
- For moderate fixation, requiring reduced effort to close and open
- For applications requiring moderate fixation with limited millimetre-scale engagement space availability
- Can be used for occasional skin contact applications (reduced abrasion)
- Readily usable by consumers to attain good fastener grip levels
- Mountable to a wide range of surfaces
- Available in a width of 25 mm, others on request
- Small fastening thickness of approx. 2.3 mm
- Tensile disengagement of approx. 15 N/cm^2
- 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.
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MADE IN GERMANY SINCE 1798