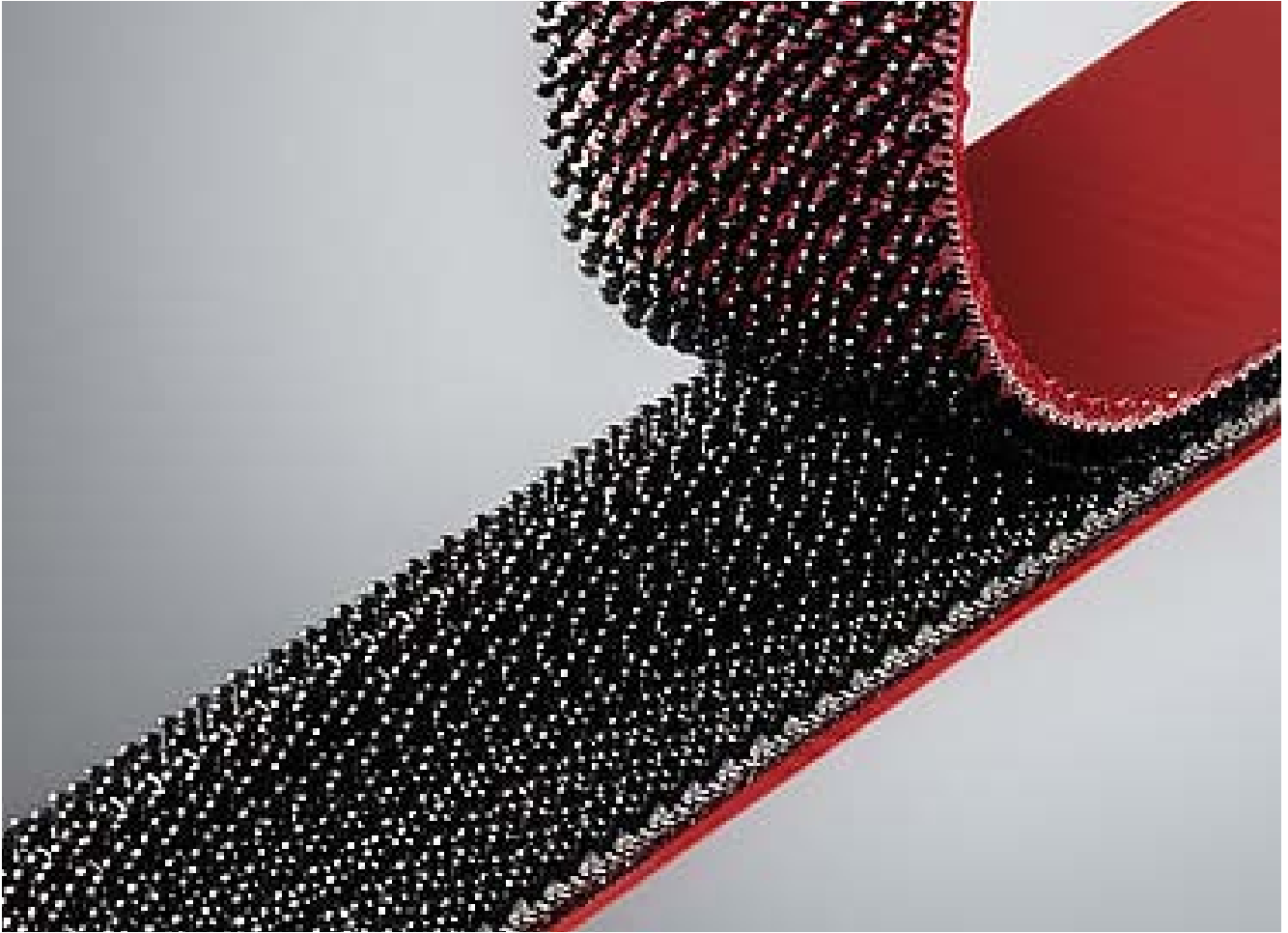


INFINITE
FASTENING POSSIBILITIES



Duotec®
SIMPLE, VERSATILE, RESISTANT
ENGINEERED BY GOTTLIEB BINDER





The Duotec® fasteners: a perfect click-lock

A single component fastening system with the characteristic mushroom-shaped structure that closes with a click-lock action, exactly like a press-stud. A rapid and precise snap-in solution that ensures a strong fastening.



Single component fastening system



Available as plastic clips and profiles



Invisible, releasable and repositionable



Fast assembly, without special tools



Noise reduction at different frequencies (anti vibration)



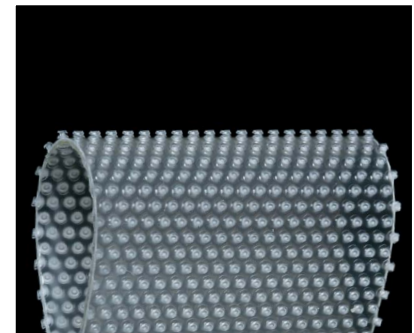
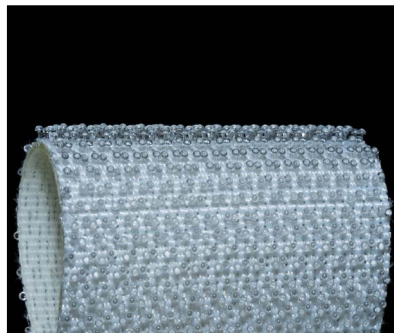
Adhesive backings, no holes



Uniform distribution of force across the tape



Corrosion free



Duotec®

- Very high tensile strength
- Invisible fastening solution for panels
- Longitudinal and horizontal fastening
- Specific high strength adhesive backings, including low energy surfaces
- Fire retardant versions that fulfill several specifications

Mididuotec®

- High tensile strength
- Sewable
- Very flexible
- 50% thinner than Duotec®

Microduotec®

- Very thin, three-dimensional film
- High tensile strength
- Hexagonal mushrooms
- Many openings and closings



Fire retardant versions

Principal applications

Transport

(Aircraft, Automotive, Buses, Marine, Train)

- Fastening of side panels
- Fastening of interior wall and floor panels
- Instrumentation panels
- Removable inspection covers
- Seats
- Electronic accessories
- Headliners



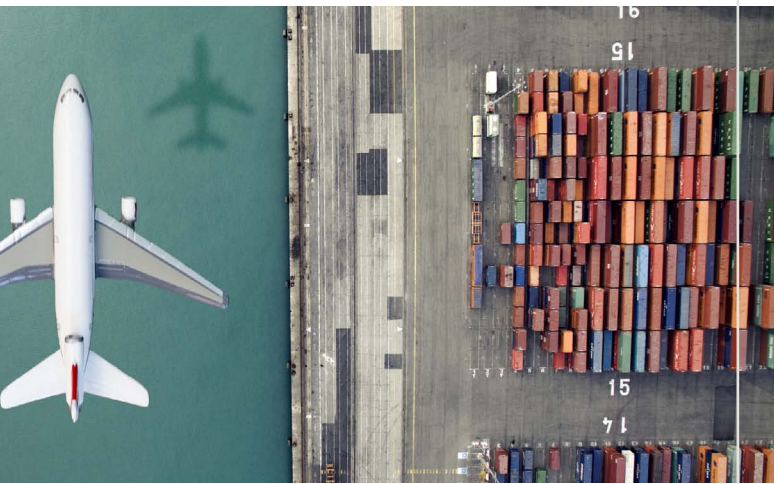
Interior design

- Panels
- Interiors

Packaging

- Closing systems





Fire retardant finishing

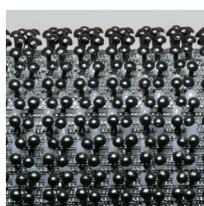
- Aircraft
- Automotive
- Train



Technical characteristics



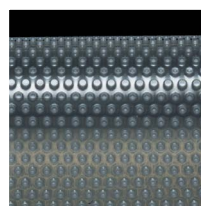
Duotec® 42



Duotec® 50



Mididuotec®



Microduotec®

Technical Data

		TENSILE DISENGAGEMENT	WITHOUT ADHESIVE	ENGAGED THICKNESS				
				H1	ADHESIVES			
					31	32	33	45
Duotec® 42	art. 73763	approx. 30 N/cm ²	approx. 4,0mm	approx. 5,0mm		approx. 5,9mm		approx. 5,7mm
Duotec® 50	art. 75763	approx. 35 N/cm ²	approx. 4,5mm	approx. 5,4mm		approx. 6,1mm		approx. 5,9mm
Duotec® 50 FR	art. 78763	approx. 35 N/cm ²	approx. 4.5mm					approx. 4,6mm
Mididuotec®	art. 76460	approx. 15 N/cm ²	approx. 2,3mm	approx. 2,7mm	approx. 3,2 mm			
Microduotec®	art. 25440	approx. 15 N/cm ²	approx. 0,57mm	approx. 0,93mm				

Product information

		COLOUR	HEADS PER CM ²	WIDTH (other width on request)	STANDARD ROLL SIZE (other size on request)
Duotec® 42	art. 73763	natural	56	max 75mm	25m
Duotec® 50	art. 75763	black	42	max 75mm	25m
Duotec® 50 FR	art. 78763	black	42	max 75mm	25m
Mididuotec®	art. 76460	natural	122	max 100mm	25/50m
Microduotec®	art. 25440	natural	168	max 410mm	on request

Fire Retardant properties

Duotec® without and with adhesive is conforms to the following specifications:

FLAMMABILITY FOR AUTOMOTIVE

FMVSS 302 (category B), VOLVO STD 5031,1

DBL 5307,10 (category C), VW-TL 1010 (category BR)

BMW N 601 21, FORD SKM-3G 9512-A

FLAMMABILITY FOR BUS

95/28/EC version 2006/96/EC und ECE-R 118

FLAMMABILITY FOR AIRCRAFT

FAR §25.853 (a) App. F, Part. I, (a) (1) (ii)

FAR §25.853 (a) App. F, Part. I, (a) (1) (v)

DIN EN ISO 6941

ABD 0031

Typical adhesive properties

	MATERIAL	TEMPERATURE RANGE		PERFORMANCE CHARACTERISTICS	
		From	Up to short term	Low surface energy	High surface energy
Adhesive H1	Hot melt synthetic rubber adhesive	approx. -30° C	approx. +93° C	high	high
Adhesive 31	high strength acrylic foam adhesive	approx. -30° C	approx. +160° C	low	high
Adhesive 32	high strength acrylic foam adhesive	approx. -30° C	approx. +160° C	low	high
Adhesive 33	high strength acrylic foam adhesive	approx. -40° C	approx. +160° C	high	high
Adhesive 45	Hot melt synthetic rubber adhesive	approx. -30° C	approx. +75° C	high	high

Standard item solutions with Duotec® 50



Duotec® profiles

New fastener systems available for special solutions: Duotec® applied on profiles with various designs.

All information in this document has been carefully compiled to the best of our knowledge at Gottlieb Binder GmbH & Co. KG within the framework of our quality management systems. It describes product from the aspects of composition and application but does not constitute any quality assurance. It does not release the customer from their obligation to control received goods and to carry out initial product testing nor provide any justification for the pursuit of third party claims. In the legal sense, no quality safeguard is implied or given. We reserve the right to make technical alterations.

	ITEM	DESCRIPTION	DIMENSION	FIXING HOLE	FIXING AREA THICKNESS
	75467	Square clip	25x25mm	approx. 7,5x7,5mm	approx. 0,9mm - 1,2mm
	76763	Round hole with fins	25x25mm	approx. 10,0mm	approx. 0,8mm - 1,2mm
	76764	Sliding clip	25x25mm		approx. 1,3mm
	Different articles available	Round hole Clip	25x25mm	approx. 7,5mm	from-to 1,5mm - 3,3mm
	77763	Thickness 2,5mm	25x25x 2,5mm		
	77768	Thickness 3,5mm	25x25x 3,5mm		
	77767	Thickness 5mm	25x25x 5mm		
	75163	Octagonal	25,1mm	approx. 4,0mm	
	76768	Square flat clip with a hole	32x32mm	approx. 4,0mm	
	75468	Rectangular clip with two holes	32x50mm	approx. 4,0mm	
	76168	Snap-in profile	25mm x on request		
	75862	Flat profile	30mm x on request		

Other items available on request



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Discover many other Binder solutions, visit our website

<http://www.gottliebbinder.com>

See the Duotec® movie on our

Youtube channel



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