

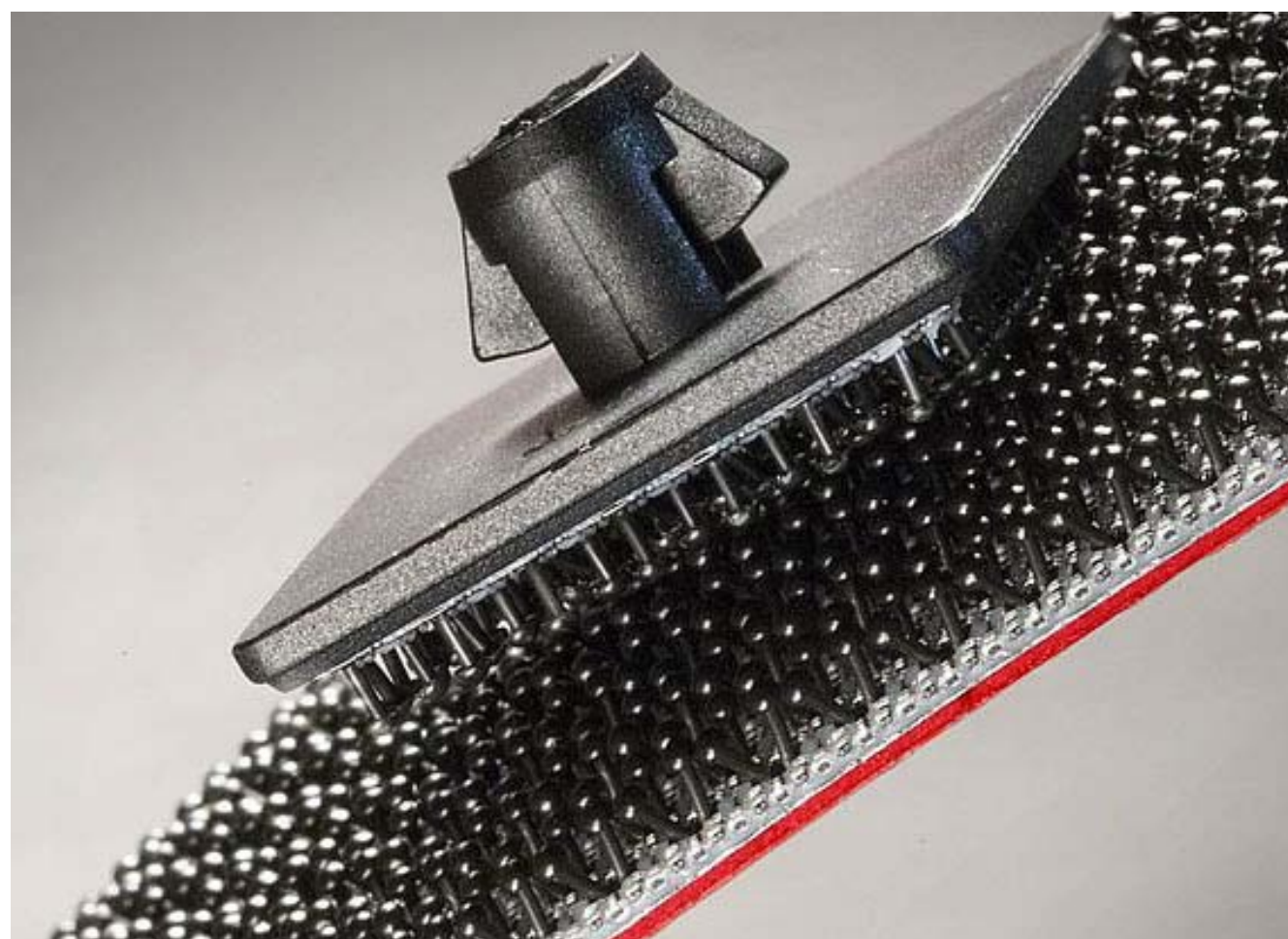
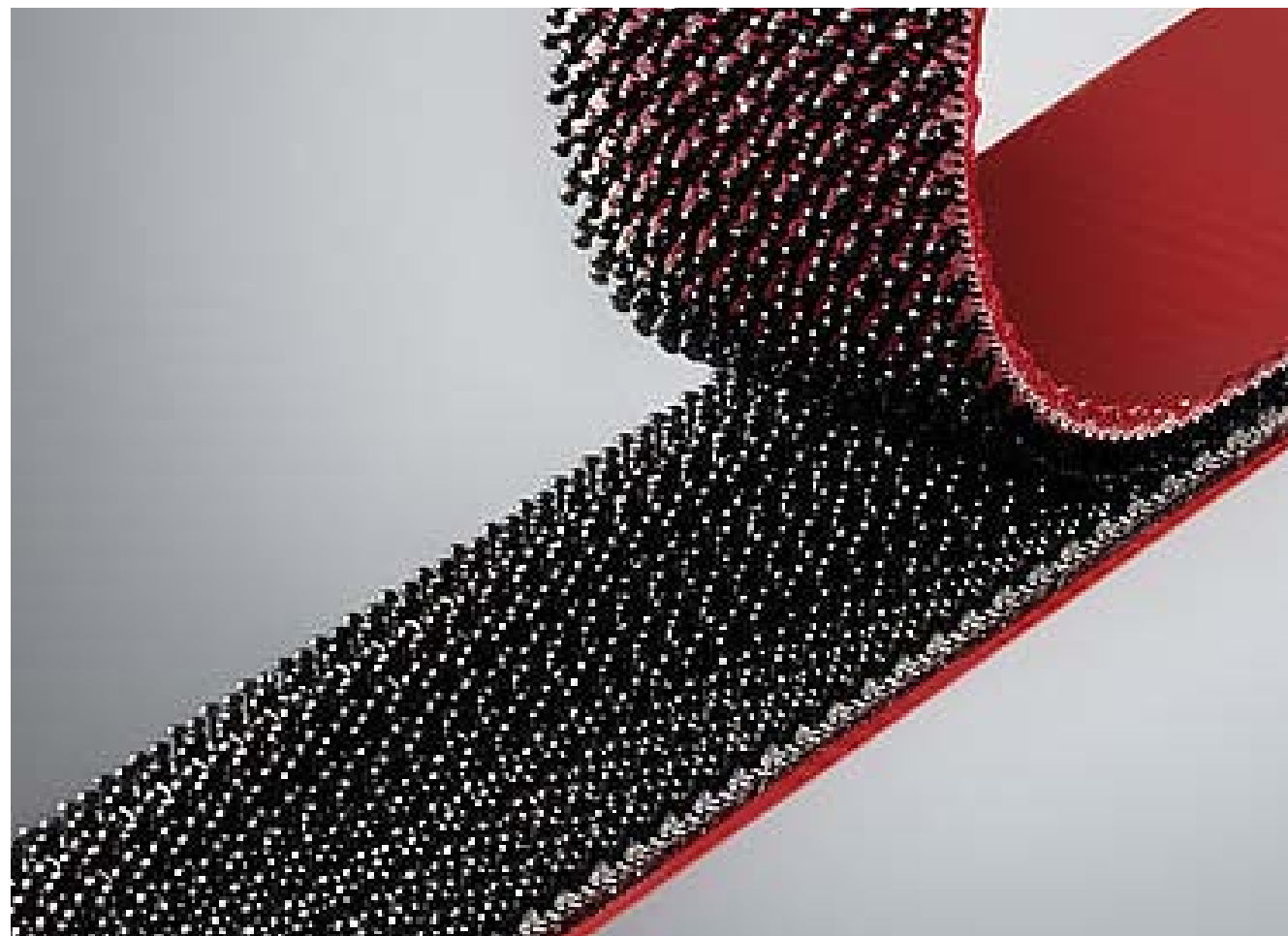


INFINITE  
FASTENING POSSIBILITIES



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



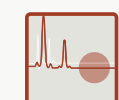
Fast assembly, without special tools



Noise reduction at different frequencies (anti vibration)



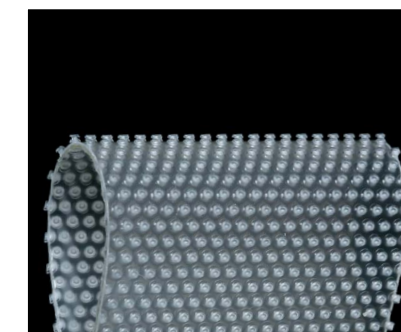
Adhesive backings, no holes



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

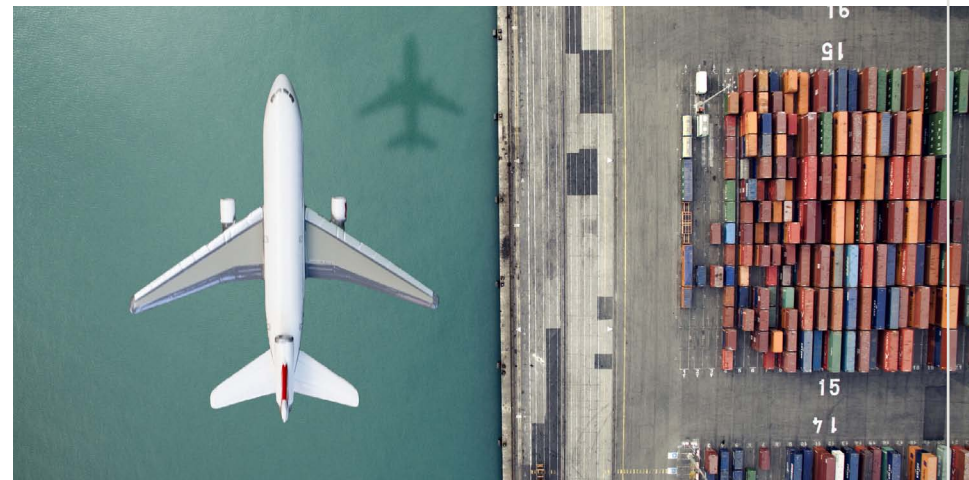


# Principal applications

## 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



## Fire retardant finishing

- Aircraft
- Automotive
- Train

## Interior design

- Panels
- Interiors

## Packaging

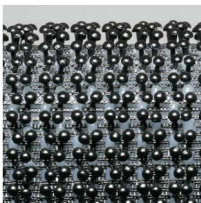
- Closing systems



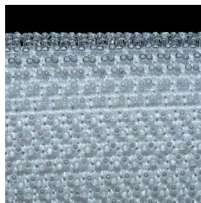
# Technical characteristics



Duotec® 42



Duotec® 50



Mididuotec®



Microduotec®

## Technical Data

Technical Data			ENGAGED THICKNESS					
			WITHOUT ADHESIVE	H1	ADHESIVES			
TENSILE DISENGAGEMENT				31	32	33	45	
Duotec® 42	art. 73763	approx. 30 N/cm²	approx. 4,0mm	approx. 5,0mm		approx. 5,9mm	approx. 5,7mm	
Duotec® 50	art. 75763	approx. 35 N/cm²	approx. 4,5mm	approx. 5,4mm		approx. 6,1mm	approx. 5,9mm	
Duotec® 50 FR	art. 78763	approx. 35 N/cm²	approx. 4.5mm					approx. 4,6mm
Mididuotec®	art. 76460	approx. 15 N/cm²	approx. 2,3mm	approx. 2,7mm	approx. 3,2 mm			
Microduotec®	art. 25440	approx. 15 N/cm²	approx. 0,57mm	approx. 0,93mm				

## Product information

		COLOUR	HEADS PER CM²	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.

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	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

