

tesa® tapes for the commercial vehicle & bus industry

ASSORTMENT FOLDER



tesa® tapes for the commercial vehicle & bus industry – high quality solutions that you can trust

In many industries tesa is a long standing and sought after partner for the development of new, efficient manufacturing processes. tesa® adhesive solutions for the commercial vehicle & bus industry have been developed to help optimise your daily business.

tesa – your partner for adhesive solutions

Particularly in the demanding area of manufacturing coaches and buses tesa supports you in many ways. Equally, tesa offers advanced adhesive solutions to manufacturers of any type of commercial vehicle.



tesa® tapes in your production process

Throughout the whole manufacturing process we support you with our special know-how and with products that convince through easy handling and reliable performance. You will very quickly find that using tesa® tapes will help you save time in many applications.

- Chassis production
- Truck cabin & bus body painting
- Assembly of commercial vehicles & buses
- Protection during transport



tesa® tapes – meeting your needs

As one of the leading global suppliers of adhesive tape, we offer a wide range of special products. Thus we ensure excellent results are achieved in every case. This is why tesa has earned the trust in its partnership with the commercial vehicle & bus industry. Matching your specific requirements is our strength!

tesa® tapes – many specialists in their fields

■ Masking

tesa® masking tapes for a wide range of applications, e.g. high temperature and window flange masking, design painting or covering of large areas

■ Protecting

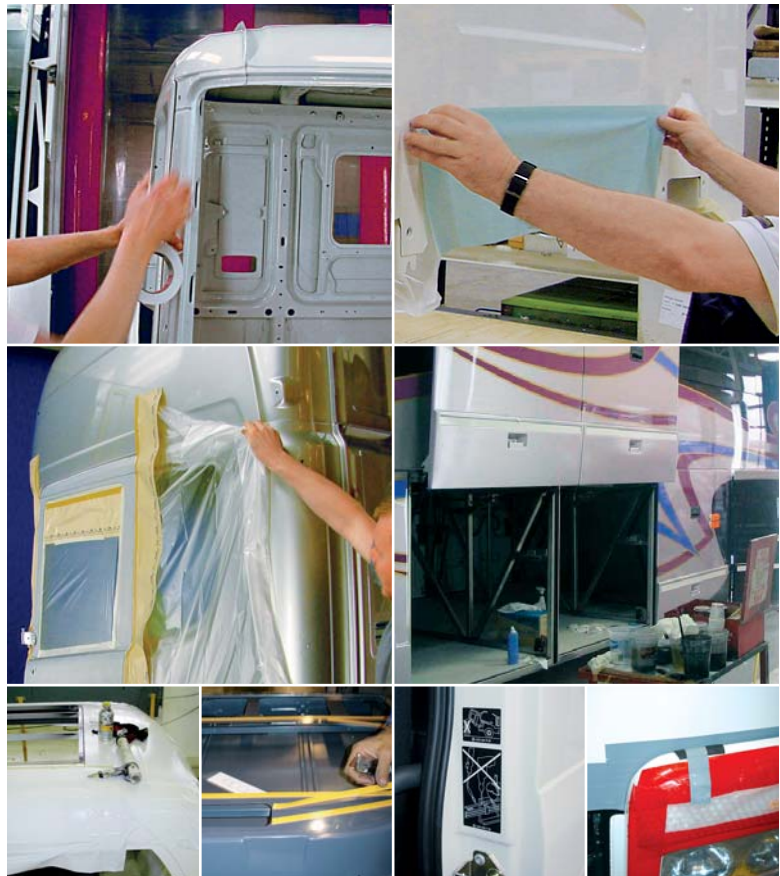
tesa® tapes for temporary protection of interior and exterior surfaces

■ Special applications

tesa® special purpose solutions for hole covering, identification, permanent mounting or seam sealing

■ Multiple use

tesa® tapes that support production processes in many ways



tesa® specialists at work

In each one of these groups you will find the tesa® core range for the mentioned applications. And of course, there is much more tesa has to offer. For further information visit us at

www.tesa.com

Product information at a glance:

Masking

Product

■ tesa® 4304 High adhesion paper masking tape – for paint systems up to 140°C



- Excellent tack & adhesion on most surfaces
- Ideal for fixing heavy masking material
- High conformability around curves
- Clean paint edges & easy to remove



Technical data*

Total thickness	0.18 mm
Tensile strength	105 N/25 mm
Adhesion/steel	12 N/25 mm
Temperature resistance	140°C (1 h)
Colours	■

■ tesa® 4309 High performance paper masking tape – for paint systems up to 120°C



- High adhesion on most surfaces
- Suitable for fixing heavy masking material
- Flexible and conformable around curves
- Clean paint edges & easy to remove



Total thickness	0.17 mm
Tensile strength	120 N/25 mm
Adhesion/steel	8.75 N/25 mm
Temperature resistance	120°C (1 h)
Colours	■

■ tesa® 4316 All round refinish paper masking tape – for paint systems up to 100°C



- High adhesion on most surfaces
- Flexible and conformable around curves
- Clean paint edges
- Easy to remove

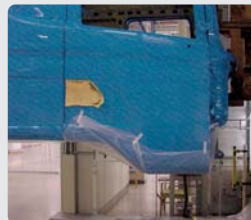


Total thickness	0.14 mm
Tensile strength	100 N/25 mm
Adhesion/steel	8.5 N/25 mm
Temperature resistance	100°C (1 h)
Colours	■

■ tesa® 4319 Very strong paper masking tape – for paint systems up to 60°C



- Excellent tack & adhesion on most surfaces
- Very flexible, strongly creped backing
- Highly tear resistant
- Easy to remove



Total thickness	0.375 mm
Tensile strength	70 N/25 mm
Adhesion/steel	11.25 N/25 mm
Temperature resistance	60°C (1 h)
Colours	■

■ tesa® 7148 Special window flange masking tape – for paint systems up to 170°C



- High adhesion especially on e-coats
- Very strong & durable PVC/PET backing
- Very flexible around curves
- Allows direct application of panes on e-coat



Total thickness	0.16 mm
Tensile strength	150 N/25 mm
Adhesion/steel	6.25 N/25 mm
Temperature resistance	170°C (1 h)
Colours	■

■ tesa® 4174 Conformable fine line tape for multi colour painting – for paint systems up to 150°C



- High adhesive power for secure masking
- Excellent conformability around tight curves
- Extremely thin for sharp & flat paint edges
- Excellent for plastic bumpers



Total thickness	0.11 mm
Tensile strength	62.5 N/25 mm
Adhesion/steel	8.5 N/25 mm
Temperature resistance	150°C (1 h)
Colours	■

* All data are mean values

Masking

Product

- **tesa® 4104** Long line masking tape for multi colour painting – for paint systems up to 70°C



- High adhesion for secure masking
- Very strong backing for straight lines
- Extremely thin for sharp & flat paint edges
- Easy to remove



Technical data*

Total thickness	0.07 mm
Tensile strength	150 N/25 mm
Adhesion/steel	9.0 N/25 mm
Temperature resistance	70°C (1 h)
Colours	

- **tesa® 4378** Easy Cover® Auto "3 in 1" for large areas – for paint systems up to 120°C



- High adhesive power for secure masking
- Masking paper for perfect paint adherence
- HDPE film ensures no paint bleed through
- Handy roll sizes for fast application

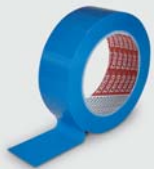


Total thickness (film)	0.01 mm
Tensile strength (tape)	120 N/25 mm
Adhesion/steel (tape)	8.75 N/25 mm
Temperature resistance	120°C (1 h)
Colours (film)	

Protecting

Product

- **tesa® 7133** Reliable PP-film for protecting interior surfaces during assembly or transport



- Prevents scratches on sensitive surfaces
- Especially for protecting plastic parts
- Adheres well to uneven surfaces
- Easily removable



Technical data*

Total thickness	0.08 mm
Tensile strength	332.5 N/25 mm
Adhesion/steel	5 N/25 mm
Temperature resistance	120°C (1 h)
Colours	

- **tesa® 51136** Strong PE-film for protecting carpets & floors during assembly or transport



- Adheres well to delicate areas
- Smooth & easy unwinding
- Good prevention against mechanical impact
- Easily removable



Total thickness	0.105 mm
Tensile strength	45 N/25 mm
Adhesion/steel	8.0 N/25 mm
Temperature resistance	100°C (1 h)
Colours	

- **tesa® 4848** Conformable PE-film for temporary protection of interior & exterior surfaces



- Adheres well to smooth surfaces
- UV-resistant for up to 4 weeks
- Very conformable & easy to tear by hand
- Easily removable



Total thickness	0.05 mm
Tensile strength	92.0 N/25 mm
Adhesion/steel	4.75 N/25 mm
Temperature range	-10°C - 60°C
Colours	

- **tesa® 50530** "Bodyguard" for long term protection of freshly painted exterior surfaces



- Excellent paint compatibility
- Good adhesion at elevated speed
- UV-resistance for up to 6 months
- Easily removable

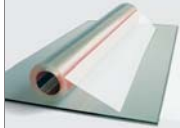


Total thickness	0.08 mm
Tensile strength	40 N/25 mm
Adhesion/steel	2.5 N/25 mm
Temperature range	-40°C - 90°C
Colours	

Protecting

Product

- tesa® 50550 **"Glassguard" for long term protection of transparent surfaces**



- Highly transparent PP-film avoids reduced vision
- Good adhesion at elevated speed
- UV-resistance for up to 3 months
- Easily removable



Technical data*

Total thickness	0.065 mm
Tensile strength	50 N/25 mm
Adhesion/glas	0.25 N/25 mm
Temperature range	-40°C - 90°C
Colours	(transparent)

Special applications

Product

- tesa® 6930 **Laser label for tamper evident identification over entire lifetime of vehicles**



- Highly durable & chemical resistant
- Excellent weather resistance
- High marking resolution
- Family sheets enable label stock reduction



Technical data*

Total thickness	0.145 mm
Tensile strength	not applicable
Adhesion/steel	4.5 N/25 mm
Temperature range	-50°C - 200°C
Colours	■

- tesa® 54657 **Special cloth tape die cuts for permanent & temporary hole covering**



- Permanent closing of openings in vehicle body
- Temporary protection during painting process
- Highly temperature & paint solvent resistant
- Many different dimensions
- Available in rolls as tesa® 4657



Total thickness	0.29 mm
Tensile strength	270 N/25 mm
Adhesion/steel	10.3 N/25 mm
Temperature resistance	180°C (0.5 h)
Colours	■

- tesa® 54994 **High performance PU-film for protection against corrosion or mechanical damages**



- Permanent & secure sealing of seams
- Excellent abrasion resistance
- Highly resistant to weather conditions
- High temperature resistance



Total thickness	0.36 mm
Tensile strength	100 N/25 mm
Adhesion/steel	17.75 N/25 mm
Temperature resistance	160°C (1 h)
Colours	(transparent)

- tesa® 4952 **Strong double-sided PE-foam tape for permanent mounting of trims & panels**



- Special acrylic adhesive for secure fastening
- Compensates easily gaps on irregular surfaces
- Mounting of plastic & metal components
- Highly resistant to ageing & humidity



Total thickness	1.15 mm
Tensile strength	25 N/25 mm
Adhesion/steel	13.7 N/25 mm
Temperature resistance	80°C (0.25 h)
Colours	□

- tesa® 4962 **High quality double-sided tissue tape for permanent mounting & pre-fixing**



- Excellent initial tack
- High bond even on rough surfaces
- Excellent conformability
- Very easy to tear by hand

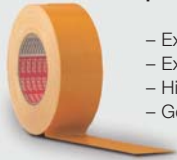


Total thickness	0.16 mm
Tensile strength	20 N/25 mm
Adhesion/steel	26.3 N/25 mm
Temperature resistance	200°C (0.25 h)
Colours	(translucent)

Special applications

Product

tesa® 4964 Heavy duty double-sided cloth tape for permanent mounting of carpets



- Excellent bond even on irregular surfaces
- Excellent conformability
- Highly tear resistant
- Good moisture resistance



Technical data*

Total thickness	0.39 mm
Tensile strength	200 N/25 mm
Adhesion/steel	17.5 N/25 mm
Temperature resistance	130°C (0.25 h)
Colours	

tesa® 4965 High performance double-sided PET tape for permanent mounting of trims & panels



- High adhesive power for secure fastening
- Excellent resistance to high temperatures
- Highly resistant to ageing & humidity
- Red coloured liner ensures easy handling



Total thickness	0.205 mm
Tensile strength	50 N/25 mm
Adhesion/steel	28.7 N/25 mm
Temperature resistance	200°C (0.25 h)
Colours	(transparent)

Multiple use

Product

tesa® 4651 Powerful high quality cloth tape in 8 colours for universal purposes



- Strong adhesion even on rough surfaces
- Universal use for marking, protecting, fixing, ...
- Very conformable & easy to tear by hand
- Uncoated cloth tape available as tesa® 4541



Technical data*

Total thickness	0.30 mm
Tensile strength	260 N/25 mm
Adhesion/steel	8.3 N/25 mm
Temperature resistance	130°C (0.5 h)
Colours	

tesa® 4163 High quality plasticized PVC tape for general insulation & bundling of cables



- Good adhesion & high abrasion resistance
- Fulfills US-safety standard 302
- Very conformable
- Cadmium free & resistant to ozone



Total thickness	0.15 mm
Tensile strength	55 N/25 mm
Adhesion/steel	3.5 N/25 mm
Temperature resistance	105°C (3000 h)
Colours	

tesa® 50565 High quality aluminium tape for insulating components in engine compartments



- High adhesion & good conformability
- 50 µm aluminium foil
- Flame retardant – UL 510 rating
- Highly resistant to acids, oil and moisture
- Resists mechanical influences very well



Total thickness	0.09 mm
Tensile strength	113 N/25 mm
Adhesion/steel	12.5 N/25 mm
Temperature resistance	150°C (3000 h)
Colours	(aluminium)

tesa® 4289 Heavy duty PP tape for temporary holding & fixing during assembly



- High initial tack
- High adhesion for secure holding
- No stretching
- Easy to remove



Total thickness	0.15 mm
Tensile strength	1050 N/25 mm
Adhesion/steel	13.25 N/25 mm
Temperature resistance	100°C (0.5 h)
Colours	

tesa® tapes for the commercial vehicle & bus industry

Masking

High temperature masking

tesa® 4304
High adhesion/140°C
tesa® 4309
Strong all-rounder/120°C

Low temperature masking

tesa® 4316
General purpose/100°C
tesa® 4319
Strongly creped/60°C

Window flange masking

tesa® 7148
Special masking tape

Design painting

tesa® 4174
Flexible fine line tape
tesa® 4104
Straight & long lines

Large area masking

tesa® 4378
Easy Cover® Auto

Protecting

Surface protection

tesa® 7133
Delicate interior areas
tesa® 51136
Interior areas & carpets
tesa® 4848
Delicate interior & exterior areas
tesa® 50530
"Bodyguard": painted surfaces
tesa® 50550
"Glassguard": window panes

Special applications

Identification

tesa® 6390
Laser label

Hole covering

tesa® 54657
Cloth tape die cuts

Seam sealing

tesa® 54994
Strong PU-film

Permanent mounting

tesa® 4952
D/s PE-foam tape for trims & panels
tesa® 4962
D/s non-woven production aid
tesa® 4964
Heavy duty d/s cloth tape
tesa® 4965
D/s PET tape for trims & panels

Multiple use

Universal purpose

tesa® 4651
Powerful cloth tape

Insulation

tesa® 4163
Cabling & general insulation
tesa® 50565
Aluminium heat insulation tape

Temporary holding & fixing

tesa® 4289
Heavy duty PP tape

tesa information brochure provided by:

Technical support and how to apply tape

Every tesa® solution can be customised to your particular type of process. To achieve this, tesa offers you various application aids which help to ensure easy manual or machine application. We are happy to assist you with further advice.

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa AG can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to advise you. tesa maintains the right to amend the products for technical reasons without prior notice as long as the agreed specifications of the product are still fulfilled. In case of legal problems, tesa is entitled to stop deliveries of the products without delay and without compensation to the customer. In this case tesa will contact customer without delay to find a solution for the delivery of alternative products.

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