

tesa® tapes for the marine industry
ASSORTMENT FOLDER



tesa® tapes for the marine 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 marine industry have been developed to help optimise your daily business.

tesa – your partner for adhesive solutions

Particularly in the demanding area of manufacturing motor boats, sailing yachts or sails, tesa supports you in many ways. Equally, tesa provides high quality solutions for shipyards and marinas that are specialised in painting or fitting services.



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.

- Yacht and boat hull production
- Painting and fitting processes at shipyards and marinas
- Manufacture of furniture
- Sail making



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 marine 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. various masking processes, waterline & 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 permanent mounting, anti-slip treatment or manufacturing & repairing of sails

■ 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® 4309 Very strong high performance paper masking tape



- High adhesion even on rough surfaces
- Highly conformable
- Resistant to wet sanding
- Sharp paint edges & easy to remove



Technical data*


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® 4317 Standard grade paper masking tape



- High adhesion on most surfaces
- Good flexibility
- Good resistance to wet sanding
- Sharp paint edges & easy to remove




Total thickness	0.15 mm
Tensile strength	90 N/25 mm
Adhesion/steel	8.25 N/25 mm
Temperature resistance	80°C (1 h)
Colours	

■ tesa® 4322 Highly stretchable paper masking tape



- Excellent initial tack
- Perfect adhesion even on rough surfaces
- Extremely conformable
- Clean paint edges & easy to remove




Total thickness	0.38 mm
Tensile strength	70 N/25 mm
Adhesion/steel	12.5 N/25 mm
Temperature resistance	60°C (1 h)
Colours	

■ tesa® 4308 Slightly creped high performance paper masking tape

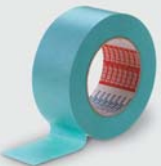


- Excellent tack & adhesion on most surfaces
- High flexibility
- Perfect for lacquering of wooden surfaces
- Perfect paint edges & easy to remove




Total thickness	0.17 mm
Tensile strength	125 N/25 mm
Adhesion/steel	10.0 N/25 mm
Temperature resistance	110°C (1 h)
Colours	

■ tesa® 4438 UV-resistant premium paper masking tape for outdoor painting

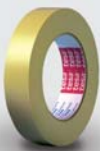


- Excellent adhesion on most surfaces
- Special backing for secure outdoor masking
- UV-resistance for up to 8 weeks
- Precise paint edges & easy to remove




Total thickness	0.17 mm
Tensile strength	82.5 N/25 mm
Adhesion/steel	10.0 N/25 mm
Temperature resistance	70°C (1 h)
Colours	

■ tesa® 4174 Flexible high performance fine line tape for multi colour design painting



- High adhesive power for secure masking
- Excellent conformability
- Thin backing for sharp & flat paint edges
- No need to re-work



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** **Easy masking of long lines for waterline and multi colour design painting**



- High adhesive power 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® 4368** **Fast and easy masking of large areas – tesa Easy Cover® for painting processes**



- High adhesive power for secure masking
- HDPE film ensures no paint bleed through
- Handy roll sizes for fast application
- Available as tesa® 4369 for outdoor use



Total thickness (film)	0.01 mm
Tensile strength (tape)	92 N/25 mm
Adhesion/steel (tape)	8.5 N/25 mm
Temperature resistance	60°C (1 h)
Colours (film)	

■ **tesa® 4378** **Fast and easy masking of large areas for demanding painting processes**



- 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

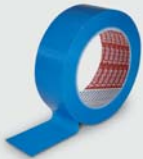


Total thickness (film)	0.01 mm
Tensile strength (tape)	120 N/25 mm
Adhesion/steel (tape)	8.75 N/25 mm
Temperature resistance	120°C (1 h)
Colours (film)	

Protecting

Product

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



- Prevents scratches on sensitive surfaces
- Especially for protecting lacquered wooden areas
- Good prevention against mechanical impact
- 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® 50530** **"Bodyguard" for long term protection of gel coat and freshly painted surfaces**



- Excellent paint compatibility
- Suitable for overland transport
- 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	

Special applications

Product

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



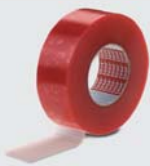
- Special acrylic adhesive for secure fastening
- Compensates easily gaps on irregular surfaces
- Mounting onto lacquered wooden, plastic or metal surfaces
- Highly resistant to ageing & humidity



Technical data*

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® 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
- Suitable for sail making processes



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	

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



- Excellent bond even on irregular surfaces
- Excellent conformability
- Highly tear & moisture resistant
- Suitable for insulation material and carpets



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® 4900 High performance acrylic transfer tape for bonding & pre-fixing



- Excellent bond on most fabrics
- For positioning sails before sewing
- Excellent resistance to weather conditions
- Easy application with dispenser tesa® 6013



Total thickness	0.05 mm
Tensile strength	not applicable
Adhesion/steel	9.25 N/25 mm
Temperature resistance	200°C (0.25 h)
Colours	

■ tesa® 4558 Very strong & weather resistant polyamide cloth tape for special purposes



- Strong adhesion & excellent flexibility
- Highly ageing resistant
- Seawater proof
- Suitable for temporary repairing of sails



Total thickness	0.16 mm
Tensile strength	375 N/25 mm
Adhesion/steel	13.7 N/25 mm
Temperature resistance	100°C (1 h)
Colours	

■ tesa® 55587 Anti-slip tape for imparting a non-skid surface to deck sections, steps or stairs



- Excellent adhesion on most surfaces
- For secure walking on wet surfaces
- Excellent long term resistance to weather conditions
- Easy & fast application



Total thickness	0.80 mm
Tensile strength	57.9 N/25 mm
Adhesion/steel	14.5 N/25 mm
Temperature range	-5°C - 60°C
Colours	

Multiple use

Product

Technical data*

■ tesa® 4370 Special UV-resistant cloth tape for long term applications



- Strong adhesion even on rough surfaces
- Suitable for long term outdoor masking
- Very conformable & moisture resistant
- Easy to tear by hand



Total thickness	0.34 mm
Tensile strength	175 N/25 mm
Adhesion/steel	9.5 N/25 mm
Temperature resistance	70°C (1 h)
Colours	

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



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



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® 4688 Standard grade cloth tape in 7 colours for universal purposes



- Strong adhesion even on rough surfaces
- Universal use for secure fixing & bundling
- Good handling characteristics
- Very easy to tear by hand



Total thickness	0.26 mm
Tensile strength	130 N/25 mm
Adhesion/steel	8.5 N/25 mm
Temperature resistance	125°C (0.5 h)
Colours	

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



- Good adhesion & high abrasion resistance
- Fulfils 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

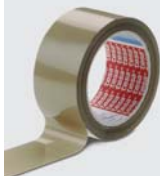


- High adhesion & good conformability
- 50µm aluminium foil
- Flame retardant - UL 510 rating
- Highly resistant to acids, oil and moisture
- Resists mechanical influences very well



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® 4124 Medium duty PVC tape for general purpose applications



- Good adhesion for secure sealing
- Smooth unwinding
- Easy to apply with dispenser tesa® 6400
- Tearable by hand



Total thickness	0.065 mm
Tensile strength	150 N/25 mm
Adhesion/steel	8 N/25 mm
Temperature resistance	70°C (1 h)
Colours	(transparent)

tesa® tapes for the marine industry

Masking

General paper masking

- tesa® 4309**
Strong all-rounder
- tesa® 4317**
General purpose
- tesa® 4322**
Extremely stretchable

Special paper masking

- tesa® 4308**
High performance masking
- tesa® 4438**
Premium outdoor masking

Waterline & design painting

- tesa® 4174**
Flexibility for design painting
- tesa® 4104**
Straight & long lines

Large area masking

- tesa® 4368**
Easy Cover®
- tesa® 4378**
Robust covering system

Protecting

Temporary surface protection

- tesa® 7133**
Delicate interior areas
- tesa® 51136**
Interior areas & carpets
- tesa® 50530**
Gel coat & exterior surfaces

Special applications

Permanent mounting

- tesa® 4952**
D/s PE-foam tape for trims & panels
- tesa® 4965**
D/s PET tape for trims & panels
- tesa® 4964**
Heavy duty d/s cloth tape

Sail makers

- tesa® 4900**
Acrylic transfer film
- tesa® 4558**
Sail repair tape

Anti-slip solution

- tesa® 55587**
Anti-slip tape

Multiple use

Universal purposes

- tesa® 4370**
Long term outdoor applications
- tesa® 4651**
Powerful cloth tape
- tesa® 4688**
Standard cloth tape

Insulation

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

Sealing & fixing

- tesa® 4124**
Medium duty PVC 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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