

A person wearing a white full-body protective suit and black gloves is using a spray gun to apply a substance to a series of metal beams. The spray gun has a brown tank and a long, thin hose. The background is a blurred industrial setting with large windows and structural elements.

**RELIABLE, STRONG,  
AND MULTIFUNCTIONAL**

**Our Assortment of Industrial Masking Tapes**

# MASKING SOLUTIONS

High-Quality Solutions for Industrial Needs



The importance of masking applications in industrial processes is often underestimated. In many cases, masking applications can strongly impact production efficiency and the overall quality of products. Only the use of appropriate masking products that offer reliable quality can help to deliver optimal results, thus avoiding unnecessary trouble in production.

Our masking solutions have been carefully developed and prove their outstanding quality each and every day in various applications worldwide.

The most common industrial application fields for masking tapes are the following:

- Wet coating/spray painting
- Sandblasting
- Powder coating
- High-temperature applications
- Surface protection

We offer a broad assortment of reliable masking tape solutions for almost any application requirement. This folder will help you to select the product best suited to your individual needs.

**By using our products, you will benefit from:**

- A wide range to serve even the most demanding applications
- Easy selection, thanks to clear descriptions of the tapes, their properties, and fields of application
- Stable and reliable quality that has been proven multiple times
- Technical customer service by experienced and highly skilled engineers

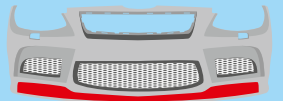





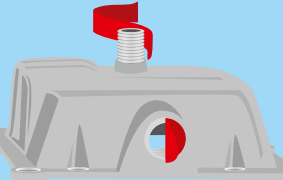



Overview – Our masking tapes for general industry

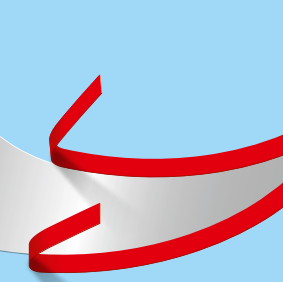


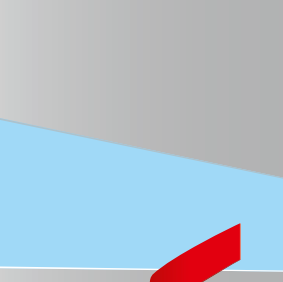



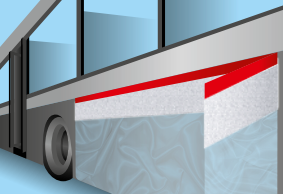

Wet coating/Spray painting	Coating process by which the material is applied to surfaces with a spray gun or via other techniques (rollers, brushes, etc.). High temperatures are often applied to cure the coating. Masking tapes are used to protect areas that should not be coated.
Sandblasting	<p>Surface treatment using abrasive materials applied to the substrate via air pressure. The technique is used to remove coatings or impurities and also for surface modification (e.g. improving durability of metal surfaces).</p> <p>Selection of an appropriate product depends on the aggressivity of blasting material, air pressure, and duration of the process.</p>
Powder coating	<p>Free-flowing powders of thermoplastic or thermoset polymers are typically transferred to surfaces via electrostatic forces. The coating is heat-treated (180°C–220°C), which leads to a melting of the powder and the formation of a thick and even coating layer.</p> <p>Tape selection considers tear resistance and conformability needs.</p>
High-temperature applications	<p>Our high-temperature tapes feature a heat-resistant backing with a silicone adhesive providing the perfect solution for demanding high-temperature applications such as masking during galvanizing, wave soldering processes, as well as autoclave bonding operations during composite production or thermal insulation and cable wrapping applications.</p> <p>Selection of an appropriate product depends on the to-be-bonded substrate, the employed materials in the process (e.g. chemicals), as well as the temperature and duration of the application.</p>
Surface protection	Temporary protection of different surfaces to prevent damage through dust, moisture, scratches, or mechanical impact.



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Spray painting	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Elongation [%]
			Adhesive				
	High grade						
	<b>tesa® 4304</b> <ul style="list-style-type: none"><li>• High temperature resistance up to 163°C</li><li>• Convenient handling (finger friendly and smooth-to-touch)</li><li>• Excellent adhesion to various surfaces</li><li>• Secure fixation of large area masks against overspray</li></ul>		Smooth crepe paper	145	4.0	43	13
			Natural rubber				
	<b>tesa® 4341</b> <ul style="list-style-type: none"><li>• High temperature resistance up to 140°C</li><li>• Strong adhesion to various surfaces</li><li>• High tear strength</li><li>• Reliable fixation of large area masks against overspray</li></ul>		Slight crepe paper	190	4.7	47	13
			Natural rubber				
	<b>tesa® 4328</b> <ul style="list-style-type: none"><li>• High temperature resistance up to 140°C</li><li>• Very high adhesion to various surfaces</li><li>• Available in 4 different vivid colors for high visibility</li><li>• Reliable fixation of large area masks against overspray</li></ul>		Slight crepe paper	175	4.8	42	12
			Natural rubber				
	<b>tesa® 4338</b> <ul style="list-style-type: none"><li>• For multiple drying cycles – up to 6 cycles at 120°C/40 min.</li><li>• Excellent handling and high conformability</li><li>• Clean paint edges</li><li>• 1 week UV resistance for outdoor use, e.g. storing of masked objects outside</li></ul>		Smooth crepe paper	145	3.5	43	12
			Natural rubber				
	<b>tesa® 4309</b> <ul style="list-style-type: none"><li>• High temperature resistance up to 120°C</li><li>• High adhesion and tear resistance</li><li>• Reliable fixation of large area masks against overspray</li></ul>		Slight crepe paper	170	3.5	47	12
			Natural rubber				
	Medium grade						
	<b>tesa® 4316</b> <ul style="list-style-type: none"><li>• Temperature resistance up to 100°C</li><li>• Good adhesion and tear resistance</li><li>• Reliable fixation of large area masks against overspray</li></ul>		Slight crepe paper	140	3.4	38	10
			Natural rubber				
	<b>tesa® 4317</b> <ul style="list-style-type: none"><li>• Temperature resistance up to 80°C</li><li>• Good adhesion and tear resistance</li><li>• Reliable fixation of large area masks against overspray</li></ul>		Slight crepe paper	140	3.3	38	10
			Natural rubber				
	<b>tesa® 4329</b> <ul style="list-style-type: none"><li>• Temperature resistance up to 70°C</li><li>• Thin and flexible</li><li>• Suitable for all general masking applications</li></ul>		Slight crepe paper	125	2.8	33	10
			Natural rubber				

Spray painting specialities	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Elongation [%]
			Adhesive				
	Curves						
	<b>tesa® 4174</b> <ul style="list-style-type: none"><li>• Recommended for two-tone applications with oven drying up to 150°C</li><li>• Excellent for curves and multidimensional surfaces</li><li>• Ensures sharp, clean, and flat paint edges</li></ul>		PVC film	113	3.7	23	215
			Natural rubber				
	<b>tesa® 4319</b> <ul style="list-style-type: none"><li>• Good conformability to curves and multidimensional surfaces</li><li>• Temperature resistance up to 60°C</li><li>• Suitable for general masking applications</li></ul>		High crepe paper	375	4.5	24	58
			Natural rubber				
	Straight lines						
	<b>tesa® 4334</b> <ul style="list-style-type: none"><li>• Excellent for straight and long lines in two-tone applications</li><li>• High temperature resistance up to 150°C/30 min.</li><li>• Ensures sharp, clean, and flat paint edges</li><li>• Very high application convenience</li><li>• 8 weeks' UV resistance for outdoor use</li></ul>		Flat paper	88	1.8	31	5
			Acrylic				
	<b>tesa® 4342</b> <ul style="list-style-type: none"><li>• Excellent for straight and long lines in two-tone applications</li><li>• High temperature resistance up to 150°C/30 min.</li><li>• Ensures sharp, clean, and flat paint edges</li><li>• 3 weeks' UV resistance for outdoor use</li></ul>		Flat paper	85	1.5	33	10
			Acrylic				
	<b>tesa® 4104</b> <ul style="list-style-type: none"><li>• For convenient masking of straight and long lines in two-tone applications</li><li>• Robust backing with resistance against light wet grinding</li><li>• Temperature resistance up to 60°C/1 h</li><li>• Ensures sharp, clean, and flat paint edges</li></ul>		PVC film	67	3.6	60	60
			Natural rubber				
	Large-area masking						
	<b>tesa® 4378</b> <ul style="list-style-type: none"><li>• For efficient masking of large areas</li><li>• 3-in-1 solution consisting of tesa® 4309, masking paper, and HDPE film</li><li>• Excellent adherence of overspray due to masking paper; prevents paint dripping</li></ul>		Slight crepe paper	170	3.5	47	12
			Natural rubber				

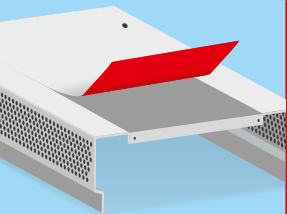

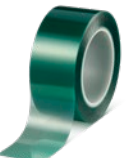
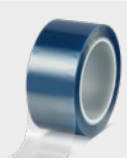
tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. 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 support you.

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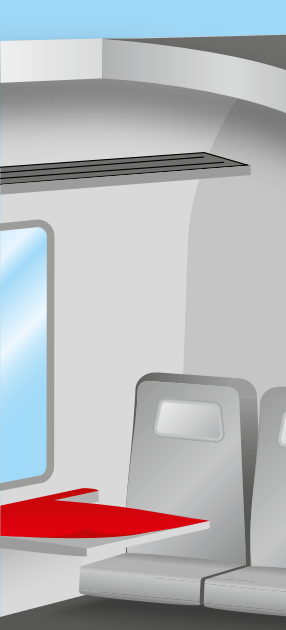




## High-Quality Solutions for Industrial Needs

Sandblasting	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Durability
			Adhesive				
	<b>tesa® 4434</b> <ul style="list-style-type: none"><li>Very strong and resistant paper backing</li><li>For masking applications during sand-blasting work on stone, metal, and glass</li><li>Very good durability (50 sec./4 bar)</li></ul>		Flat paper	670	2.7	180	● ● ● ● ●
			Natural rubber				
	<b>tesa® 4432</b> <ul style="list-style-type: none"><li>Strong and resistant paper backing</li><li>For masking applications during sand-blasting work on stone, metal, and glass</li><li>Good durability (6 sec./4 bar)</li></ul>		Flat paper	330	8.0	93	● ● ●
			Natural rubber				
	<b>tesa® 4688</b> <ul style="list-style-type: none"><li>Resistant cloth backing, good hand-tearability in machine and cross direction</li><li>For masking applications during sand-blasting work on stone, metal, and glass</li><li>Durability (&lt;6 sec./4 bar)</li></ul>		PE-extruded cloth	260	4.5	52	● ●
			Natural rubber				
	<b>tesa® 4423</b> <ul style="list-style-type: none"><li>Resistant paper backing</li><li>For masking applications during sand-blasting work on stone, metal, and glass</li><li>Durability (&lt;6 sec./4 bar)</li></ul>		Flat paper	145	4.5	67	●
			Natural rubber				

Durability: ● Low ● ● Medium ● ● ● Good ● ● ● ● Very Good

Powder coating	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C/1 h]
			Adhesive				
	<b>tesa® 4331</b> <ul style="list-style-type: none"><li>Special backing laminate for high tear resistance and excellent paint anchorage</li><li>Good conformability</li><li>Easy to remove without residue</li></ul>		PET/non-woven	110	4.0	53	200
			Silicone				
	<b>tesa® 50600</b> <ul style="list-style-type: none"><li>High tear resistance and adhesion</li><li>Residue-free removability</li><li>Also available with liner</li></ul>		PET	80	4.0	75	220 [30 min.]
			Silicone				
	<b>tesa® 50650</b> <ul style="list-style-type: none"><li>Good conformability</li><li>Thin backing for sharp paint edges</li><li>Easy to remove without residue</li></ul>		PET	55	3.2	50	220 [30 min.]
			Silicone				

High-temperature applications	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C/1 h]
			Adhesive				
	<b>tesa® 51407</b> <ul style="list-style-type: none"><li>Recommended for wave soldering, thermal insulation, cable wrapping, and various masking applications</li><li>High chemical resistance and dielectric strength</li><li>Residue-free removability</li></ul>		Polyimide	62	2.5	40	260 [30 min.]
			Silicone				
	<b>tesa® 61126</b> <ul style="list-style-type: none"><li>Suitable for masking in autoclave bonding operations during composite production or galvanizing processes</li><li>High coating weight for secure bond</li><li>Excellent visibility even on dark surfaces due to high opacity</li></ul>		PET	125	4.3	60	220 [7 h]
			Silicone				
	<b>tesa® 61124</b> <ul style="list-style-type: none"><li>Used for masking during powder-coating processes and bonding of low surface energy materials</li><li>Excellent visibility even on dark surfaces due to high opacity</li><li>Residue-free removability</li></ul>		PET	60	3.5	45	220 [7 h]
			Silicone				

Surface protection	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C/1 h]
			Adhesive				
	<b>tesa Bodyguard® 50535</b> <ul style="list-style-type: none"><li>Premium protection film for freshly painted surfaces</li><li>Easy to remove without residue</li><li>Perfect paint compatibility</li><li>12 months' UV resistance for outdoor storage</li></ul>		PE film	59	0.6	24	60
			EVA				
	<b>tesa® 4848</b> <ul style="list-style-type: none"><li>Standard protection film for smooth surfaces such as plastic parts, glass, and metal</li><li>Easy to remove without residue</li><li>4 weeks' UV resistance for outdoor storage</li></ul>		PE film	48	0.8	12	60
			Acrylic				
	<b>tesa® 7133</b> <ul style="list-style-type: none"><li>For protection of smooth and rougher surfaces such as grained plastics</li><li>Strong adhesion and tear-resistant</li><li>Very good resistance against scratches</li><li>Also recommended for straight-line masking during spray painting</li></ul>		PE film	80	2.0	133	120
			Natural rubber				
	<b>tesa® 51136</b> <ul style="list-style-type: none"><li>For protection of smooth and rougher and multidimensional surfaces</li><li>High resistance against scratches</li><li>Good conformability</li></ul>		PE film	105	2.4	19	100
			Acrylic				



03/2020



Our management system is certified according to the standards ISO 9001, IATF 16949, and ISO 14001.