



**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:

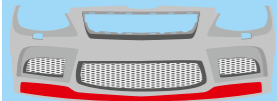





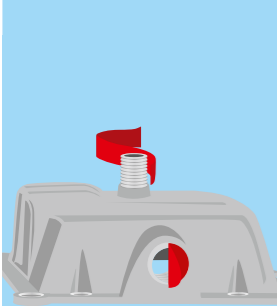



- A wide range to serve even the most demanding applications
- Easy selection, thanks to clear descriptions of the tapes, their properties, and fields of application
- Stable and reliable quality that has been proven multiple times
- Technical customer service by experienced and highly skilled engineers

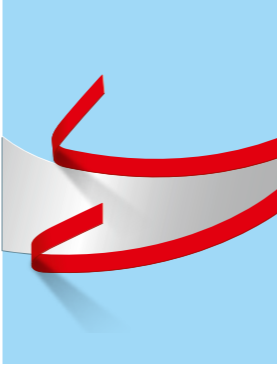


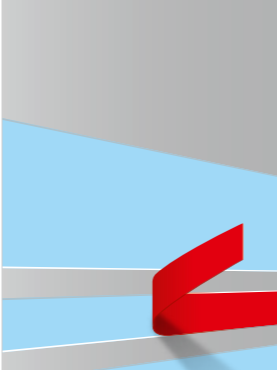





Overview – Our masking tapes for general industry

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						
	tesa® 4304		Smooth crepe paper	145	4.0	43	13
			Natural rubber				
	tesa® 4341		Slight crepe paper	190	4.7	47	13
			Natural rubber				
tesa® 4328		Slight crepe paper	175	4.8	42	12	
		Natural rubber					
tesa® 4338		Smooth crepe paper	145	3.5	43	12	
		Natural rubber					
tesa® 4309		Slight crepe paper	170	3.5	47	12	
		Natural rubber					
	Medium grade						
	tesa® 4316		Slight crepe paper	140	3.4	38	10
			Natural rubber				
tesa® 4317		Slight crepe paper	140	3.3	38	10	
		Natural rubber					
tesa® 4329		Slight crepe paper	125	2.8	33	10	
		Natural rubber					

Spray painting specialties	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Elongation [%]
			Adhesive				
	Curves						
	tesa® 4174		PVC film	113	3.7	23	215
			Natural rubber				
tesa® 4319		High crepe paper	375	4.5	24	58	
		Natural rubber					
	Straight lines						
	tesa® 4334		Flat paper	88	1.8	31	5
			Acrylic				
	tesa® 4342		Flat paper	85	1.5	33	10
			Acrylic				
tesa® 4104		PVC film	67	3.6	60	60	
		Natural rubber					
	Large-area masking						
	tesa® 4378		Slight crepe paper	170	3.5	47	12
		Natural rubber					

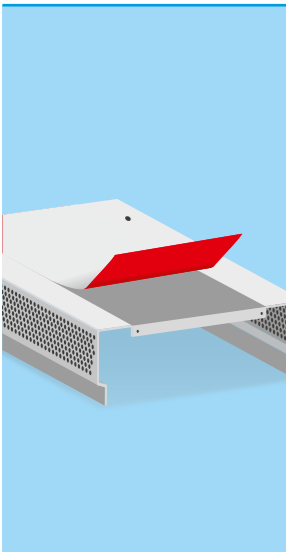

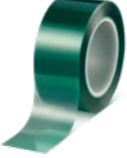
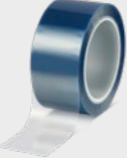
tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average 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.

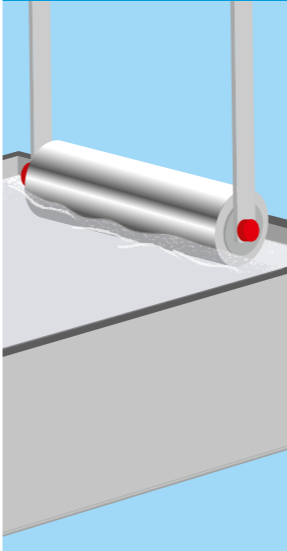


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Sandblasting	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Durability
			Adhesive				
	tesa® 4434 <ul style="list-style-type: none"> Very strong and resistant paper backing For masking applications during sandblasting work on stone, metal, and glass Very good durability (50 sec./4 bar) 		Flat paper	670	2.7	180	●●●●
			Natural rubber				
	tesa® 4432 <ul style="list-style-type: none"> Strong and resistant paper backing For masking applications during sandblasting work on stone, metal, and glass Good durability (6 sec./4 bar) 		Flat paper	330	8.0	93	●●●
			Natural rubber				
	tesa® 4688 <ul style="list-style-type: none"> Resistant cloth backing, good hand-tearability in machine and cross direction For masking applications during sandblasting work on stone, metal, and glass Durability (<6 sec./4 bar) 		PE-extruded cloth	260	4.5	52	●●
			Natural rubber				
	tesa® 4423 <ul style="list-style-type: none"> Resistant paper backing For masking applications during sandblasting work on stone, metal, and glass Durability (<6 sec./4 bar) 		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				
	tesa® 4331 <ul style="list-style-type: none"> Special backing laminate for high tear resistance and excellent paint anchorage Good conformability Easy to remove without residue 		PET/non-woven	110	4.0	53	200
			Silicone				
	tesa® 50600 <ul style="list-style-type: none"> High tear resistance and adhesion Residue-free removability Also available with liner 		PET	80	4.0	75	220 [30 min.]
			Silicone				
	tesa® 50650 <ul style="list-style-type: none"> Good conformability Thin backing for sharp paint edges Easy to remove without residue 		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				
	tesa® 51407 <ul style="list-style-type: none"> Recommended for wave soldering, thermal insulation, cable wrapping, and various masking applications High chemical resistance and dielectric strength Residue-free removability 		Polyimide	62	2.5	40	260 [30 min.]
			Silicone				
	tesa® 61126 <ul style="list-style-type: none"> Suitable for masking in autoclave bonding operations during composite production or galvanizing processes High coating weight for secure bond Excellent visibility even on dark surfaces due to high opacity 		PET	125	4.3	60	220 [7 h]
			Silicone				
	tesa® 61124 <ul style="list-style-type: none"> Used for masking during powder-coating processes and bonding of low surface energy materials Excellent visibility even on dark surfaces due to high opacity Residue-free removability 		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				
	tesa Bodyguard® 50535 <ul style="list-style-type: none"> Premium protection film for freshly painted surfaces Easy to remove without residue Perfect paint compatibility 12 months' UV resistance for outdoor storage 		PE film	59	0.6	24	60
			EVA				
	tesa® 4848 <ul style="list-style-type: none"> Standard protection film for smooth surfaces such as plastic parts, glass, and metal Easy to remove without residue 4 weeks' UV resistance for outdoor storage 		PE film	48	0.8	12	60
			Acrylic				
	tesa® 7133 <ul style="list-style-type: none"> For protection of smooth and rougher surfaces such as grained plastics Strong adhesion and tear-resistant Very good resistance against scratches Also recommended for straight-line masking during spray painting 		PE film	80	2.0	133	120
			Natural rubber				
tesa® 51136 <ul style="list-style-type: none"> For protection of smooth and rougher and multidimensional surfaces High resistance against scratches Good conformability 		PE film	105	2.4	19	100	
		Acrylic					



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