



maskingsolutions

Assortment of Industrial Masking Tapes

aboutus

Reliable, Strong, and Multifunctional Tapes for Masking Applications



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
- Powder coating
- Sandblasting
- Galvanizing
- 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:

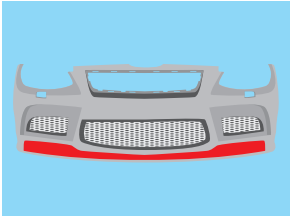




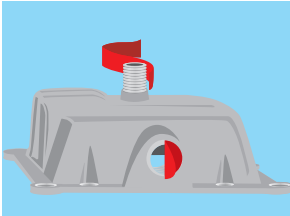





- A wide range to serve even the most demanding applications
- Easy selection, thanks to clear descriptions of the tapes, their properties, and fields of application
- Stable and reliable quality that has been proven multiple times
- Technical customer service by experienced and highly skilled engineers

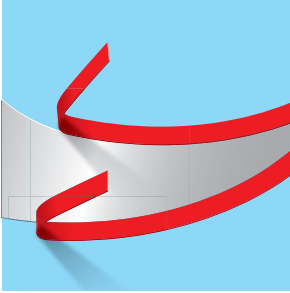



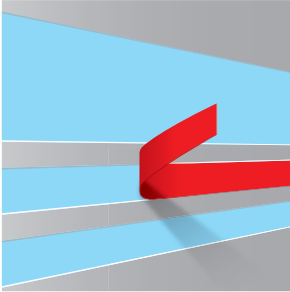
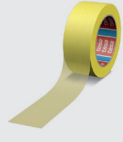

Overview – Our Masking Tapes for General Industry

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.
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>
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>
GALVANIZING	<p>Electrochemical process to cover material with a metal coating (e.g. nickel-, chrome-, or silver-plating performed in liquid electrolytes).</p> <p>Masking tapes need to withstand various chemicals found in the electrolytes (alkalines or acidic types).</p>
SURFACE PROTECTION	Temporary protection of different surfaces to prevent damage through dust, moisture, scratches, or mechanical impact.

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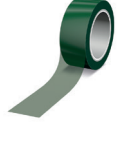

High-Quality Solutions for Industrial Needs

SPRAY PAINTING	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C]
			Adhesive				
HIGH TEMPERATURE							
	tesa® 4318 <ul style="list-style-type: none"> For spray painting with oven drying up to 160°C Good adherence to painted surfaces, glass, plastics, rubber Residue-free removal, also after repeated drying cycles 		Slightly creped paper	170	4.0	47	160°C/1h
			Natural rubber				
	tesa® 4341 <ul style="list-style-type: none"> For spray painting with oven drying up to 140°C Excellent adhesion and high tear resistance – very robust solution Reliable hold also on heavy masking sheets 		Slightly creped paper	190	4.7	53	140°C/1h
			Natural rubber				
tesa® 4330 <ul style="list-style-type: none"> For spray painting with oven drying up to 140°C Excellent adhesion Reliable hold also on heavy masking sheets 		Slightly creped paper	175	4.8	42	140°C/1h	
		Natural rubber					
	tesa® 4309 <ul style="list-style-type: none"> For spray painting with oven drying up to 120°C High adhesion and tear resistance Reliable hold also on masking sheets 		Slightly creped paper	170	3.5	47	120°C/1h
		Natural rubber					
MID-TEMPERATURE							
	tesa® 4316 <ul style="list-style-type: none"> For spray painting with oven drying up to 100°C Good adhesion and tear resistance Reliable hold also on masking sheets 		Slightly creped paper	140	3.4	38	100°C/1h
			Natural rubber				
	tesa® 4317 <ul style="list-style-type: none"> For spray painting with oven drying up to 80°C Good adhesion and tear resistance Reliable hold also on masking sheets 		Slightly creped paper	140	3.3	38	80°C/1h
		Natural rubber					
	tesa® 4329 <ul style="list-style-type: none"> Thin and flexible Suitable for all general masking applications 		Slightly creped paper	130	3.0	33	70°C/1h
		Natural rubber					
LARGE-AREA MASKING							
	tesa® 4378 <ul style="list-style-type: none"> For efficient masking of large areas 3-in-1 solution consisting of tesa® 4309, masking paper, and HDPE film Excellent bond of over spray due to masking paper; prevents paint from dripping 		Slightly creped paper	170	3.5	47	120°C/1h
			Natural rubber				


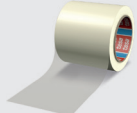
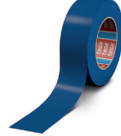
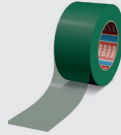
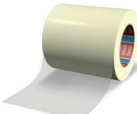
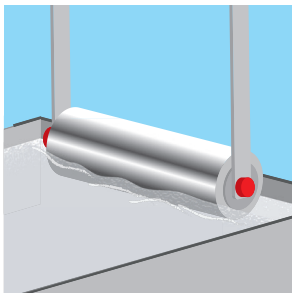



SPRAY PAINTING SPECIALITIES	Product description and application	Product	Backing	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C]	
			Adhesive					
	CURVES							
	tesa® 4174 <ul style="list-style-type: none"> Recommended for two-tone applications with oven drying up to 150°C Excellent for curves and multidimensional surfaces Highly accurate and flat paint edges 		PVC film	110	3.4	25	150°C/1 h	
			Natural rubber					
	tesa® 4308 <ul style="list-style-type: none"> For spray painting with oven drying up to 110°C Flexible and conformable backing High tack and good adhesion, especially on difficult surfaces (rubber, plastics) 		Slightly creped paper	170	4.0	53	110°C/30 min.	
			Natural rubber					
	tesa® 4319 <ul style="list-style-type: none"> Suitable for general masking applications High stretch capacity Good conformability to curves and multidimensional surfaces 		Highly creped paper	375	4.5	28	60°C/1 h	
Natural rubber								
	STRAIGHT LINES							
	tesa® 4334 <ul style="list-style-type: none"> Excellent for straight and long lines in two-tone applications Highly accurate and flat paint edges Very high application convenience 		Flat paper	90	1.85	30	120°C/30 min.	
			Acrylic					
	tesa® 4104 <ul style="list-style-type: none"> Excellent for straight and long lines in two-tone applications Highly accurate and flat paint edges 		PVC film	65	2.3	60	70°C/1 h	
Natural rubber								

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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]	Temperature resistance [°C]
			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	60°C/1 h
			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	100°C/1 h
Natural rubber							
tesa® 4423 <ul style="list-style-type: none"> Strong and resistant paper backing For masking applications during sandblasting work on stone, metal, and glass Durability (<6 sec./4 bar) 		Flat paper	145	4.5	57	60°C/1 h	
		Natural rubber					
POWDER COATING	Product description and application	Product	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C]
			Adhesive				
	tesa® 4331 <ul style="list-style-type: none"> Backing is a special laminate comprising a polyester film with a nonwoven backing Combines conformability and high strength Easily removable without residue 		PET / fabric	110	4.0	53	200°C/1 h
			Silicone				
	tesa® 50600 <ul style="list-style-type: none"> High tear resistance and adhesion Easy to remove without residue Also available with liner 		PET	80	4.0	75	220°C/30 min.
Silicone							
tesa® 50650 <ul style="list-style-type: none"> Good conformability Provides sharp paint edges 		PET	55	3.0	48	220°C/30 min.	
		Silicone					

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.

SURFACE PROTECTION	Product description and application	Product	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C]
			Adhesive				
	tesa® 4848 <ul style="list-style-type: none"> For protection of smooth surfaces such as plastic parts, glass, and metal Easy to remove without residue UV resistance: four weeks 		PE film	48	0.8	12	60°C/1 h
			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 		PP film	80	2.0	133	120°C/1 h
			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°C/1 h	
		Acrylic					
tesa® 51134 <ul style="list-style-type: none"> For protection of smooth and rougher and multidimensional surfaces Good resistance against scratches Very good conformability 		PE film	84	2.4	15	90°C/1 h	
		Acrylic					
GALVANIZING	Product description and application	Product	Backing	Total thickness [μm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C]
	tesa® 51408 <ul style="list-style-type: none"> Very good resistance against acids and bases Highly temperature-resistant (up to 315°C for a short term) Ideal for electrical and thermal insulation 		Polyimide				
			Silicone				
	tesa® 4154 <ul style="list-style-type: none"> Masking during galvanizing or etching Good resistance against acids and bases Also recommended for straight-line masking during spray painting 		PVC film	65	3.0	60	70°C/1 h
			Natural rubber				
	tesa® 4287 <ul style="list-style-type: none"> Good resistance against acids and bases Suitable for masking during galvanizing High tear resistance 		MOPP	79	4.0	180	100°C/1 h
			Natural rubber				



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