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:

- Spray painting
- Sandblasting
- Powder coating
- 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 backed by experienced and highly skilled engineers

Overview – Our masking tapes for general industry

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	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). Selection of an appropriate product depends on the aggressivity of blasting material, air pressure, and duration of the process.
Powder coating	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. Tape selection considers tear resistance and conformability needs.
Surface protection	Temporary protection of different surfaces to prevent damage through dust, moisture, scratches, or mechanical impact.

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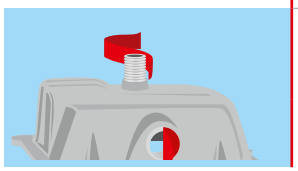
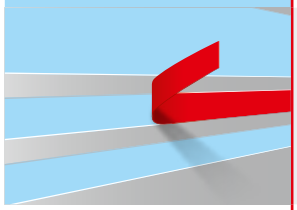
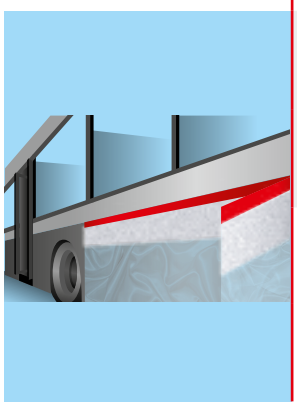
Spray painting	Product description and application	Product	Backing / Adhesive	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Elongation [%]
	High grade						
	**tesa® 4338** • For multiple drying cycles – up to 6 cycles at 120°C/40 min. • Excellent handling and high conformability • Clean paint edges • 1 week UV resistance for outdoor use, e.g. storing of masked objects outside		Smooth crepe paper / Natural rubber	145	3.5	43	12
	tesa® 4309 • High temperature resistance up to 120°C • High adhesion and tear resistance • Reliable fixation of large area masks against overspray		Slight crepe paper / Natural rubber	170	3.5	47	12
	Medium grade						
	**tesa® 4317** • Temperature resistance up to 80°C • Good adhesion and tear resistance • Reliable fixation of large area masks against overspray		Slight crepe paper / Natural rubber	140	3.3	38	10

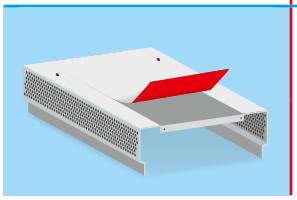
Spray painting specialities	Product description and application	Product	Backing / Adhesive	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Elongation [%]
	Straight lines						
	**tesa® 60404** • Good adhesion even in recycled cartons • Excellent tack and long-lasting adhesion • Silent unwinding • Ideal for storage in extreme temperature conditions and high moisture		PVC film / Natural rubber	67	3.6	43	90
	Large-area masking						
	**tesa® 4378** • For efficient masking of large areas • 3-in-1 solution consisting of tesa® 4309, masking paper, and HDPE film • Excellent adherence of overspray due to masking paper; prevents paint dripping		Slight crepe paper / Natural rubber	170	3.5	47	12
	tesa® 4368 • For indoor masking • The 2-in-1 solution for masking off and protecting large areas • Clean edges to paint and lacquer • For smooth and slightly textured surfaces • For painting tasks and spray techniques		Slightly creped paper / Natural rubber	140	3.4	38	10

Sandblasting

Product description and application	Product	Backing / Adhesive	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Durability
tesa® 4432 • Strong and resistant paper backing • For masking applications during sand-blasting work on stone, metal, and glass • Good durability (6 sec./4 bar)		Flat paper / Natural rubber	330	8.0	93	●●●
tesa® 4688 • Resistant cloth backing, good hand-tearability in machine and cross direction • For masking applications during sand-blasting work on stone, metal, and glass • Durability (<6 sec./4 bar)		PE-extruded cloth / Natural rubber	260	4.5	52	●●

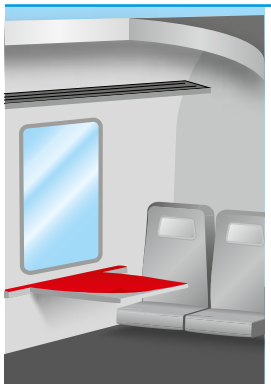
Durability: ● Low ●● Medium ●●● Good ●●●● Very Good

Powder coating



Product description and application	Product	Backing / Adhesive	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C/1 h]
tesa® 50139 • High tear resistance and adhesion • Excellent solvent resistance • Easy to remove without residue • Also available with liner		PET / Silicone	80	4.0	75	220 [30 min.]

Surface protection



Product description and application	Product	Backing / Adhesive	Total thickness [µm]	Adhesion to steel [N/cm]	Tensile strength [N/cm]	Temperature resistance [°C/1 h]
tesa® 4848 • 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 / Acrylic	48	0.8	12	60
tesa® 50551 • Adheres to painted and chromed finishes • Excellent outdoor resistance • Reliable bonding • Easy disposal		PE Film / Acrylic	70	1.2	11	60

11/2023

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

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