

tesa® Professional

Professional Solutions for Building,
Renovating & Decorating

ASSORTMENT



The better choice.

A small job, an excellent result – this brief formula has been true of tesa adhesive tapes for more than 75 years. Only the craftsmen who is able to deliver accurate work efficiently, will stay ahead of the competition. Professional painters and craftsmen require perfect results quickly and easily, without the risk of rework – costing additional time and money on the job.

tesa® – user-friendly innovations

An important factor in the success of our more than 75-year brand history is our close collaboration with users and customers. Our ideas and our success are based on knowledge of their individual requirements. Continuous research has now made us a world leader in many spheres. Around 220 scientists and developers are currently driving progress forward with new inventions and quality improvements in existing products.

tesa® – partners for craft and trade

For generations, the tesa® brand has stood for innovation, reliability and high quality. Our masking tapes have been on the market continuously since the invention of the first tesa Mask tape in 1936. Professional painters and craftsmen now benefit from a complete range of products for different substrates and applications both indoors and outdoors, as well as large-scale masking and protection. We support our trade partners with innovative products at competitive prices and with effective sales promotion measures – for example, targeted campaigns and advertising, catalogues and sample cards.

tesa® – quality and sustainability for satisfied customers

Every tesa location in the world is certified to the internationally-recognized standard for quality management systems: ISO 9001:2000. Use of high-quality raw materials and regular supplier assessment enables us to guarantee quality at a consistently high level. We have also been consistently driving forward sustainability for many years. Economic success, ecology and social consciousness are fixed components of our corporate philosophy, and this includes development of our own environmentally-friendly technologies. As a result, we are already able to manufacture the majority of our products without using solvents.

The reliability and performance of tesa® products provide the key benefit: rapid working without the risk of complaints or rework, leading to saved time and money. To the benefit of users – order by order, day by day.

Reliability through quality – pays for itself.



Technical data of an adhesive tape

The properties of adhesive tapes can be described by means of certain performance characteristics. We explain the most important of these below.

Adhesive tape thickness

The thickness of the adhesive tape is quoted in $\mu\text{m} = 1/1000 \text{ mm}$. (Compare the thickness of writing paper: $80 \mu\text{m}$)

Adhesive strength, adhesion, peel strength

Measure of the adhesion of an adhesive tape to a surface. Adhesive strength is the strength required to peel the tape from its substrate. For the purposes of standardization, smooth stainless steel is used as the reference substrate. Strength is quoted in Newtons per cm of adhesive tape width (N/cm).

Elongation at break

Elongation at break quotes the percentage by which the tape can be elongated in the longitudinal direction before it tears. The feature is quoted as a % value.

Mesh

The quality of cloth tapes is described among other things by their mesh (cloth density). To this end, the number of threads in a surface area of $2.54 \text{ cm} \times 2.54 \text{ cm}$ (square inch) is quoted.

Properties of adhesive compounds

Natural rubber	<ul style="list-style-type: none"> Good initial tack, easy to remove, reliable adhesion Also on substrates to which other adhesive materials adhere poorly
Acrylate base	<ul style="list-style-type: none"> Resistant to temperature ageing and UV Resistant to chemicals
Synthetic rubber	<ul style="list-style-type: none"> Strong adhesion to metal and glass (polar substrates), not as good adhesion to some plastics Can only be used for a short period, as poor UV and ageing resistance; not suitable for high temperatures

Properties of backing materials

Paper	Not creped e.g. Japan paper	Slightly elastic, delivers very accurate, really flat paint edges
	Slightly creped	Moderately elastic, possible to apply tape around gentle curves, results in flat paint edges
	Highly creped	Tape can be applied to tight curves, paint edges less accurate than with fine crepe because paper structure is thicker
Cloth	PE-coated	Easily torn by hand, very strong even with significant moisture, provides substrate with good protection from damage
PVC film	Dimensionally stable	UV-resistant, resistant to mortar, plaster and chemicals
	Surface smooth	Can be torn by hand
	Surface ribbed	Especially easy to tear by hand – at right-angles, also



Indoor Masking

Paper Masking Tapes

Masking tapes for painting and decorating must be able to cope with a number of factors. Firstly, they must be easy to apply and bond reliably to surfaces so there is no risk of paint seeping underneath. Secondly, they have to be able to be removed without leaving adhesive residues or tearing, and lastly they must provide a sharp paint edge for a professional finish. tesa's masking tape range has been developed to meet all of these demands, from precision masking to sensitive wallpaper masking.

tesa Precision Mask® 4334



Application

- Flat, sharp edges to paint and lacquer
- For smooth and slightly textured surfaces
- For high-quality painting and lacquering work

Product Features

- Thin but particularly tear-resistant backing
- Very supple
- Slightly transparent backing facilitates very good, accurate positioning
- Balanced, constant adhesive strength for highly reliable adhesion
- Easy to remove



Technical Data		Sizes and Packaging					
Total thickness [µm]	90	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	1.85	Pcs. IP/Box	8/48	6/36	5/30	4/24	3/18
Elongation at break [%]	4						

i Tried and tested Precision Mask® for especially flat, sharp painted and lacquered edges for all painting tasks.

tesa® Painter's Tape 4348



Application

- Clean edges to paint and lacquer
- For smooth surfaces
- For simple painting tasks

Product Features

- Good initial tack
- Sound adhesive properties
- Resistant to tearing and easy to stretch



Technical Data		Sizes and Packaging					
Total thickness [µm]	140	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	3.3	Pcs. IP/Box	16/96	12/72	10/60	8/48	6/36
Elongation at break [%]	10						

i Tried and tested quality of painter's tape with practical adhesive strength for many painting tasks.

tesa® Masking Tape 4323



Application

- For simple masking tasks and for fixing masking materials in position
- For affixing, packing, marking

Product Features

- Slightly crêped texture
- Quick and easy to remove



Technical Data		Sizes and Packaging					
Total thickness [µm]	130	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	3	Pcs. IP/Box	16/96	12/72	10/60	8/48	6/36
Elongation at break [%]	10						

i All-purpose masking tape for all simple masking-off tasks.

Indoor Masking

...for Special Applications



tesa Precision Mask® Sensitive 4333

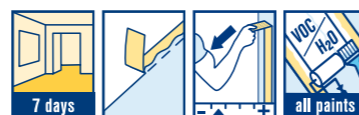


Application

- For masking of highly-sensitive surfaces requiring protection, such as wallcoverings and wallpapers, lacquered surfaces
- Flat, sharp edges to paint and lacquer
- For smooth and slightly textured surfaces
- For designer techniques involving primer, paint and scumble

Product Features

- Thin but particularly tear-resistant backing
- Very supple
- Slightly transparent backing facilitates very good, accurate positioning
- Easy to remove



Technical Data		Sizes and Packaging					
Total thickness [µm]	80	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	0.5	Pcs. IP/Box	8/48	6/36	5/30	4/24	3/18
Elongation at break [%]	5						

i Constant, gentle adhesive strength guarantees gentle adhesion to sensitive, critical surfaces.

tesa® Masking Tape for Curves 4319



Application

- Especially suitable for masking of curves
- Rapid, reliable masking off, even on rough surfaces

Product Features

- High initial tack
- Highly creped, with a high elasticity reserve
- Thick cushion of adhesive compound for good adhesion to rough surfaces



Technical Data		Sizes and Packaging			
Total thickness [µm]	375	m:mm	50:19	50:25	50:50
Adhesion/Steel [N/cm]	4.5	Pcs. IP/Box	16/96	12/72	6/36
Elongation at break [%]	58				

i Ideal for masking of curves. To avoid paint bleeding, we recommend pulling the creping right out of the adhesive tape.

tesa® Special Painters Tape 4341



Application

- Excellent for long lines and slight curves
- For sharp and precise colour and paint edges
- For use on smooth and slightly rough surfaces
- Suitable for solvent and waterbased paints

Product Features

- Very flexible
- Very high adhesion
- Highly temperature resistance
- Waterproof backing



Technical Data		Sizes and Packaging					
Total thickness [µm]	190	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	4.7	Pcs. IP/Box	16/96	12/72	10/60	8/48	6/36
Elongation at break [%]	13						

i Heat resistant tape. Oven drying up to 140 °C / 1h.

tesa® Fibreglass Tape 60101



Application

- For joining plasterboards and mending cracks and holes
- For joint/gap sealing
- Covers cracks and joints up to 3 mm in walls permanently
- Ready to use without filler or putty

Product Features

- Excellent adhesion, even on dusty surfaces
- High ageing resistance
- Very good tear resistance



Technical Data		Sizes and Packaging		
Total thickness [µm]	300	m:mm	45:50	90:50
Adhesion/Steel [N/cm]	0.5	Pcs. IP/Box	-/24	-/24
Elongation at break [%]	<4			

i Holes and cracks do not have to be filled before use.

Indoor Masking

Easy Cover for Large Areas

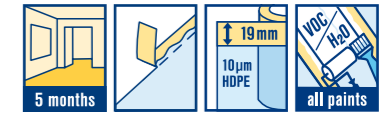
tesa Easy Cover® is the **two-in-one solution** for sensible, time-saving masking and covering, and consisting of a Premium Painter's Tape combined with a special protective paper or PE film cover. In this way, larger areas or furniture can be efficiently protected and at the same time, precise results can be achieved. Double masking is no longer required.

tesa Easy Cover® Precision 4365



- Application**
- The 2-in-1 solution for masking off and protecting large areas
 - Flat, sharp edges to paint and lacquer
 - For smooth and slightly textured surfaces
 - For high-quality painting and lacquering work

- Product Features**
- Combination of transparent, supple film and tesa Precision Mask® 4334
 - Embossed film for good paint adhesion



Technical Data		Sizes and Packaging			
Total thickness [µm]	90	m:mm	33:550	33:1400	17:2100
Adhesion/Steel [N/cm]	1.85	Pcs. IP/Box	8/64	8/32	8/32
Elongation at break [%]	4				

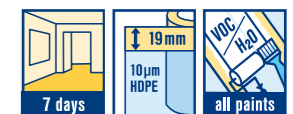
i Protection and precision in one. Product guarantees maximum satisfaction – both at work and for customers.

tesa Easy Cover® Universal 4368



- Application**
- 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

- Product Features**
- Combination of transparent, supple film and tesa® 4316 Painter's Tape Premium
 - Embossed film for good paint adhesion



Technical Data		Sizes and Packaging							
Total thickness [µm]	140	m:mm	33:300	33:550	33:1100	33:1400	33:1800	33:2100	17:2600
Adhesion/Steel [N/cm]	3.4	Pcs. IP/Box	10/60	10/60	10/20	10/20	10/20	10/20	10/20
Elongation at break [%]	10								

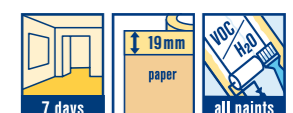
i The embossed masking film prevents paint running underneath, guaranteeing clean working.

tesa Easy Cover® Paper 4364



- Application**
- 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

- Product Features**
- Combination of high-quality special paper and tesa® 4316 Painter's Tape Premium
 - Specially-coated paper for good bonding of paint and lacquer



Technical Data		Sizes and Packaging	
Total thickness [µm]	140	m:mm	25:180
Adhesion/Steel [N/cm]	3.4	Pcs. IP/Box	10/40
Elongation at break [%]	10		10/20

i The coated, lacquer-absorbing masking paper ensures clean results when spray-painting.

Outdoor Masking

UV-resistant Paper Masking Tapes



Masking tapes which are to be used outdoors have different demands placed on them, because of the weather and sunlight (UV light). It is critical they have a degree of resistance to both depending on the circumstances of use.

During renovation work on façades, high-value surfaces such as window frames and metal exterior coverings are particularly at risk. The **tesa® Outdoor Masking Assortment** is specifically tailored to these uses and provides dependable weather resistant protection for problem areas during exterior work on buildings.

PREMIUM

tesa® UV Exterior Masking Tape 4438



Application

- For painting, lacquering and light-duty rendering tasks
- Clean, straight edges to paint and lacquer

Product Features

- Stable backing material is insensitive to moisture
- Weatherproof and stable on ageing
- Especially heavy-duty, can also be used when masking off for multiple coats
- UV-resistant for 12 weeks



Technical Data	Sizes and Packaging						
Total thickness [µm]	167	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	4	Pcs. IP/Box	16/96	12/72	10/60	8/48	6/36
Elongation at break [%]	5						

i One masking process for several operations, e.g. undercoat/primer and top coat. Recommended by leading paint and lacquer manufacturers!

tesa® Precision Mask Outdoor 4439

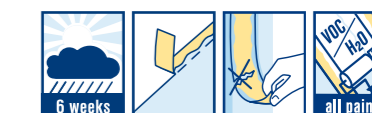


Application

- Flat, sharp edges to paint and lacquer
- For high-quality painting and lacquering work

Product Features

- Thin but particularly tear-resistant backing
- Balanced adhesive strength for sensitive and also slightly rough surfaces
- Easy to remove without residues and without damaging the surface
- Very supple
- Slightly transparent backing facilitates very good, accurate positioning
- UV-resistant for 8 weeks



Technical Data	Sizes and Packaging						
Total thickness [µm]	100	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	1.8	Pcs. IP/Box	8/48	6/36	5/30	4/24	3/18
Elongation at break [%]	5						

i The thin, weatherproof backing material is particularly supple, even on slightly rough surfaces.

tesa® Outdoor Masking tape 4435



Application

- For painting, lacquering and light-duty rendering tasks

Product Features

- Clean edges to paint and lacquer
- Also for adhesion to slight curves
- Resistant to tearing and easy to stretch
- UV-resistant for 2 weeks



Technical Data	Sizes and Packaging						
Total thickness [µm]	145	m:mm	50:19	50:25	50:30	50:38	50:50
Adhesion/Steel [N/cm]	2.8	Pcs. IP/Box	16/96	12/72	10/60	8/48	6/36
Elongation at break [%]	12						

i Note: as applications involving old, dirty and weathered surfaces can result in residues or discoloration when the masking is removed, we recommend carrying out trial applications – for at least 24 h. Alternative products: tesa Precision Mask® 4439 or tesa® UV Exterior Masking Tape 4438

Outdoor Masking

for Surface Protection and Large Area Covering

The outdoor **tesa Easy Cover®** is the **two-in-one solution** for sensible, time-saving outdoor masking and covering, consisting of a Premium Painter's Tape combined with a special protective paper or-PE film cover and weather resistant properties.

tesa® UV Surface Protection 4848



Application

- Self-adhesive film for protecting large areas of high-quality surfaces, e.g. glass

Product Features

- Resistant to many chemical effects, mechanical damage and water
- Transparent PE film guarantees a high level of transparency
- Quick and easy to use
- UV-resistant for 4 weeks



i We urgently recommend that you test the surface! Residues or shadows may be left when the tape is removed from old, weathered surfaces.

Technical Data	Sizes and Packaging					
Total thickness [µm]	48	m:mm 100:125	100:250	100:500	100:750	100:1000
Adhesion/Steel [N/cm]	0.8	Pcs. IP/Box -/18	-/9	-/4	-/3	-/2
Elongation at break [%]	200					

PREMIUM

tesa Easy Cover® UV Extra Strong 4373

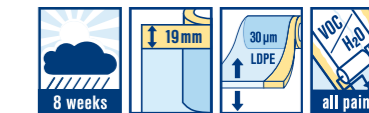


Application

- The 2-in-1 solution for masking off and protecting large areas
- For clean, straight paint edges
- For smooth and slightly rough surfaces
- Ideal for covering windows during rendering, plastering and painting work
- For heavy-duty, long-term applications

Product Features

- Combination of highly transparent, extra-strong film and tesa® 4370 UV Cloth Tape
- UV-resistant for 8 weeks



Technical Data	Sizes and Packaging			
Total thickness [µm]	310	m:mm 12:550	12:1400	12:2600
Adhesion/Steel [N/cm]	3.8	Pcs. IP/Box 8/64	8/32	8/32
Elongation at break [%]	10			

i Extremely rugged masking solution for large surfaces.

tesa Easy Cover® UV 4369

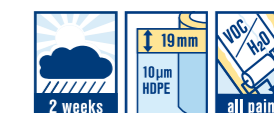


Application

- The 2-in-1 solution for masking off and protecting large areas
- For clean, straight paint edges
- For smooth and slightly rough surfaces
- Ideal for covering windows during rendering, plastering and painting work

Product Features

- Combination of transparent, supple film and tesa® 4363 UV Cloth Tape
- Embossed film for good paint adhesion
- UV-resistant for 2 weeks



Technical Data	Sizes and Packaging						
Total thickness [µm]	310	m:mm 14:550	14:1100	14:1400	14:1800	14:2100	14:2600
Adhesion/Steel [N/cm]	2.5	Pcs. IP/Box 8/64	8/64	8/32	8/32	8/32	8/32
Elongation at break [%]	10						

i Good adhesion, even to slightly rough surfaces.

tesa Easy Cover® UV Paper Mask 4372

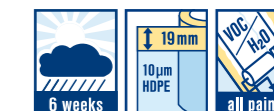


Application

- The 2-in-1 solution for masking off and protecting large areas
- For clean, straight paint edges and adhesion to slight curves
- For smooth and slightly rough surfaces
- Ideal for covering windows during rendering, plastering and painting work

Product Features

- Combination of transparent, supple film and tesa Mask® 4437 UV Painter's Tape
- Embossed film for good paint adhesion
- UV-resistant for 6 weeks



Technical Data	Sizes and Packaging			
Total thickness [µm]	150	m:mm 33:550	33:1400	17:2600
Adhesion/Steel [N/cm]	3.4	Pcs. IP/Box 8/64	8/32	8/32
Elongation at break [%]	14			

i Flexible masking solution for large surfaces, also for adhesion to slight curves.

Building Protection & Repairing

Filmic Plastering Tapes



Building Protection and Repairing Tapes are more robust than general outdoor masking tapes as instead of masking flat, smooth surfaces such as window frames, they have to be able to stick and conform to rough surfaces such as brickwork or render. The backing of tesa's four Plastering Tapes is PVC and due to its properties it is able to conform and bond well to irregular surfaces as well as offer between 2 and 6 weeks UV resistance. All our Plastering Tapes are hand-tearable making them easy to use.

tesa® Premium Plastering Tape Orange 4843



Application

- Good protection of smooth and slightly rough surfaces
- For applications that require high adhesion power

Product Features

- Extra strong backing
- Strong adhesion power
- Hand tearable
- Resistant to acids, bases and other chemicals
- Application temperature $\geq 0^{\circ}\text{C}$



Technical Data		Sizes and Packaging			
Total thickness [µm]	122	m:mm	33:30	33:50	33:75
Adhesion/Steel [N/cm]	1.2	Pcs. IP/Box	10/60	6/36	4/24
Elongation at break [%]	200	Colours	■		

i For secure adhesion the tape should not be stretched while applying.

tesa® Premium Plastering Tape Embossed 4840



Application

- Good protection of smooth and delicate surfaces during plastering and painting

Product Features

- UV and weather resistant
- Hand tearable with straight tape edge
- Resistant to acids, bases and other chemicals
- Application temperature $\geq 5^{\circ}\text{C}$



Technical Data		Sizes and Packaging		
Total thickness [µm]	150	m:mm	33:30	33:50
Adhesion/Steel [N/cm]	1.9	Pcs. IP/Box	10/60	6/36
Elongation at break [%]	140	Colours	■ □	

tesa® Standard Plastering Tape 4172



Application

- Good protection of smooth surfaces
- Application in curves possible

Product Features

- Good adhesion
- Resistant to acids, bases and other chemicals
- Hand tearable
- Can be used at temperatures $\geq 5^{\circ}\text{C}$



Technical Data		Sizes and Packaging		
Total thickness [µm]	120	m:mm	33:30	33:50
Adhesion/Steel [N/cm]	1.3	Pcs. IP/Box	10/60	6/36
Elongation at break [%]	190	Colours	■ □	

i On solvent based paints an adhesion test is recommended. Should not be used on water-based acrylic paints.

Building Protection & Repairing

Cloth Plastering and Duct Tapes

tesa® UV Building Protection Tape 4370



Application

- For long term (8 weeks) protection of areas like window frames, facades and other surfaces during plastering and painting at construction sites
- 8 weeks UV resistance due to black UV blocker

Product Features

- Strong adhesion even on rough surfaces
- Water repellent
- Easy to remove without residues
- Easy to tear by hand
- To be used at temperatures ≥ 5 °C



Limited application on porous surfaces. An adhesion test is recommended before use on older, weathered PVC profiles, on white paints and nitro compounds.

Technical Data		Sizes and Packaging			
Total thickness [µm]	310	m:mm	25:25	25:38	25:50
Adhesion/Steel [N/cm]	3.8	Pcs. IP/Box	-/48	-/32	-/24
Elongation at break [%]	10				

tesa® Plastering Cloth Tape 4363



Application

- For short term protection of areas like window frames, facades, and other surfaces during plastering and painting at construction sites
- 2 weeks UV resistance

Product Features

- Good adhesion even on rough surfaces
- Water repellent
- Easy and fast removal
- To be used at temperatures ≥ 5 °C



Limited application on porous surfaces. An adhesion test is recommended before use on older, weathered PVC profiles, on white paints and nitro compounds.

Technical Data		Sizes and Packaging				
Total thickness [µm]	310	m:mm	25:25	25:30	25:38	25:50
Adhesion/Steel [N/cm]	2.5	Pcs. IP/Box	-/48	-/40	-/32	
Elongation at break [%]	10					

tesa® Heavy Duty Duct Tape 4663

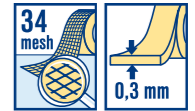


Application

- For sealing of pipes and ducts
- For fixing heavy-duty construction such as masonry, concrete, render and wood

Product Features

- High tensile strength compared to conventional duct tape grades
- Excellent adhesive strength even on rough and dirty surfaces (e.g. concrete, brickwork, timber)
- Water repellent
- Perfect adhesion even under colder conditions
- Used during asbestos removal, rendering and bricklaying work
- Temperature resistant up to 95 °C



Technical Data		Sizes and Packaging	
Total thickness [µm]	300	m:mm	50:48
Adhesion/Steel [N/cm]	4.8	Pcs. IP/Box	-/24
Elongation at break [%]	15	Colours	<input type="checkbox"/>



Product should not be used on painted surfaces.

tesa® Strong Duct Tape 4662



Application

- All-purpose cloth tape with excellent product properties for fixing films and dustsheets

Product Features

- High initial adhesive strength
- Water repellent
- Flexible
- Easy to tear by hand



Technical Data		Sizes and Packaging				
Total thickness [µm]	230	m:mm	50:36	50:48	50:72	50:96
Adhesion/Steel [N/cm]	4.4	Pcs. IP/Box	-/36	-/24	-/18	-/12
Elongation at break [%]	15		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Product should not be used on painted surfaces.

tesa® Utility Duct Tape 4613



Application

- Simple applications such as fixing, sealing, marking and packing, even on rough surfaces

Product Features

- Good adhesive strength
- Water repellent
- Very easy to unwind
- Easy to tear by hand
- Temperature-resistant up to 95 °C



Technical Data		Sizes and Packaging			
Total thickness [µm]	180	m:mm	50:48	50:72	50:96
Adhesion/Steel [N/cm]	4.1	Pcs. IP/Box	-/24	-/18	-/12
Elongation at break [%]	15		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Product should not be used on painted surfaces.

tesa® Outdoor Transparent Cloth Tape 4665

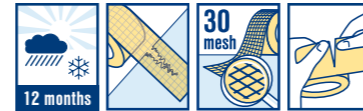


Application

- Suitable for outdoor use for up to a year for long-term applications such as packing, sealing, fixing and bundling
- Ideal for quick repairs and seals, e.g. greenhouses or garden hoses

Product Features

- Very high adhesive strength
- Particularly resistant to weathering and UV
- Hand-tearable
- Temperature-resistant up to 95 °C
- Transparent backing for almost invisible repairs



i Highly transparent! For long-term applications outdoors!

Technical Data		Sizes and Packaging	
Total thickness [µm]	215	m:mm	25:48
Adhesion/Steel [N/cm]	9	Pcs. IP/Box	6/24
Elongation at break [%]	27	Colours	<input type="checkbox"/>

tesa® Transparent PE Repairing Tape 4668



Application

- Repairing plastic materials indoors and outdoors
- Ideal for affixing LDPE films in construction applications
- Transparent film for nearly invisible repairs

Product Features

- High adhesive strength
- Particularly resistant to weathering and UV
- Rugged and resistant to ageing
- Highly resistant to abrasion
- Good resistance to chemicals



i No expensive mounting of new foils necessary, saves time and money!

Technical Data		Sizes and Packaging	
Total thickness [µm]	140	m:mm	33:50 33:100
Adhesion/Steel [N/cm]	3.4	Pcs. IP/Box	-/18 -/12
Elongation at break [%]	500	Colours	<input type="checkbox"/>

tesa® Aluminium Tape 50565

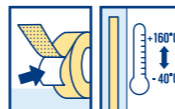


Application

- Insulating pipes and guttering etc.
- Affixing aluminium-coated insulating materials
- General purpose temperature insulation

Product Features

- Good adhesion
- Resistant to moisture and impermeable to steam
- High thermal conductivity
- Resistant to oil and acid
- Good mechanical strength
- Available with and without paper liner



i tesa® 50565 is flame-retardant to UL510! Increased oxidation may occur on galvanized gutters.

Technical Data		Sizes and Packaging		
Total thickness [µm]	90	m:mm	25:50 50:50 50:75	
Adhesion/Steel [N/cm]	6	Pcs. IP/Box	-/18 -/18 -/12	
Elongation at break [%]	8	Colours	<input type="checkbox"/>	

tesa seal® 60073



Application

- For permanent sealing of Vapour Barrier foil overlaps, penetrations, joints and metal staples

Product Features

- Convenient and time saving working conditions due to flexible backing
- Permanent, extremely high adhesion on various vapour barrier foils
- Width 60 mm for secure and easy application
- Very high ageing resistance for challenging requirements



i The airtightness according to DIN 4108 is confirmed by independent testing institute Fraunhofer (test report P20-112/2010).

Technical Data		Sizes and Packaging	
Total thickness [µm]	320	m:mm	25:60
Adhesion/Steel [N/cm]	>12	Pcs. IP/Box	1/10
Mounting temperature [°C]	+5 to +40	Colours	<input type="checkbox"/>
Temperature resistance [°C]	-20 to +80		

tesa® Xtreme Conditions 4600

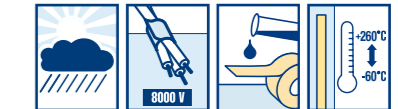


Application

- Insulating and protecting wiring and connections
- Sealing applications in engine compartment
- Various bundling, securing, wrapping applications in the marine industry
- Wrap hydraulic fittings and other exposed metal connections to help prevent corrosion
- Masking applications in powder coating, liquid coating, e-coating, anodizing and plating
- Can be applied under water

Product Features

- Strong self-amalgamating tape made from silicone which bonds without adhesive
- Water tight, permanent sealing
- Flexible material
- Can be applied smoothly on any kind of surface, including wet or warm, dirty or oily
- Residue-free removable



Technical Data		Sizes and Packaging	
Total thickness [µm]	500	m:mm	3:25
Elongation at break [%]	750	Pcs. IP/Box	-/16
		Colours	<input checked="" type="checkbox"/> <input type="checkbox"/>

Mounting & Floor Laying

Removable & Permanent Floor Laying Tapes

tesa® Removable Floor Laying Tapes are the perfect solution for the temporary installation of carpets, PVC flooring, rugs or felts. Excellent adhesive properties ensure a solid and reliable hold to nearly all surfaces. With a residue-free removal, excellent anti-aging and plasticizer resistance and easily hand tearable, tesa® Removable Floor Laying Tapes help to make quick work of any floor laying tasks. The **tesa® Permanent Floor Laying Tape** range is specifically designed to offer extra-strong hold while being extremely durable. The tapes can also be used with underfloor heating and even in damp rooms and are suitable for all carpets, PVC flooring and permanent fixing of various materials.

tesa® Extra Strong Double Sided 51960 - Removable



Application

- For textile and resilient (PVC, CV) floor coverings
- Can be used on many surfaces (except natural and synthetic stone), for example varnished parquet

Product Features

- Hand tearable
- Removable virtually without residues up to 5 years
- Suitable for floor heating



Especially suitable for fixing edges and butt splicing.

Technical Data		Sizes and Packaging	
Total thickness [µm]	250	m:mm	10:50 25:50
Adhesion/Steel [N/cm]	9/4.7*	Pcs. IP/Box	6/36 6/36

* covered/open side

tesa® Universal Double Sided 4939 - Removable



Application

- For textile floor coverings (incl. felt and needle felt carpets)
- Can be used on many surfaces (except natural and synthetic stone)
- Especially for screed, mastic and epoxy-sealed floors

Product Features

- Removable virtually without residues up to 14 days
- Hand tearable



Technical Data		Sizes and Packaging	
Total thickness [µm]	250	m:mm	10:50 25:50
Adhesion/Steel [N/cm]	7.5/5*	Pcs. IP/Box	6/36 6/24

* covered/open side



Especially suitable for temporary use on exhibitions and fairs.

tesa® Extra Strong Floor Laying 4944 - Permanent



Application

- Very strong cloth tape for permanent, long term secure floor laying
- Especially for fixing carpets to rough surfaces
- Suitable even for floor coverings and heavy duty applications

Product Features

- Excellent adhesion on all surfaces
- Hand tearable
- Also suitable for highly structured and fibrous carpet backs



Technical Data		Sizes and Packaging	
Total thickness [µm]	200	m:mm	10:50 25:50
Adhesion/Steel [N/cm]	14.5	Pcs. IP/Box	6/36 6/24



Premium cloth tape, especially for rough surfaces.

tesa® Universal Floor Laying 64620 - Permanent

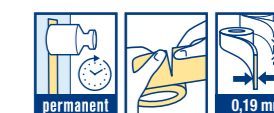


Application

- For permanent floor laying with light and medium load
- For even and slightly uneven surfaces
- For carpets with a smooth back

Product Features

- Fast and secure fixing
- Hand tearable



Technical Data		Sizes and Packaging	
Total thickness [µm]	185	m:mm	10:50 25:50
Adhesion/Steel [N/cm]	12/10*	Pcs. IP/Box	6/36 6/24

* covered/open side



Also suitable for fibrous carpet backs.

Mounting & Floor Laying

Double-Sided Mounting Tapes

tesa® Mounting Tapes are made from a strong double-sided foam or transparent tape and are designed to mount and hang objects, such as mirrors or trims. For application, simply peel off one side of the tape backing to expose the adhesive mass. Apply the tape to the desired surface and then remove the other side of the paper backing. The object can now be mounted to the desired place. Quick, clean and easy, with the **tesa® Mounting Tape Range**, nails, screws or brackets are a thing of the past.

tesa® Mirror Mounting 4952

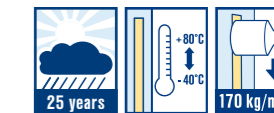


Application

- Very strong double-sided tape for indoor and outdoor use
- For fixing heavy, flat objects such as mirrors, signs and decorative materials
- For fitting profiles, trims and letterboxes

Product Features

- High-quality foam backing
- Excellent adhesion power on smooth and rough surfaces
- Highly resistant to ageing
- Resistant to moisture



Technical Data		Sizes and Packaging			
Total thickness [µm]	1150*	m:mm	1.5:19	5:19	10:19
Foam splitting [N/cm]	> 8	Pcs. IP/Box	12/72	10/60	16/96

* without cover

i Especially suitable for fixing mirrors in bathrooms!

tesa® Universal Indoor Mounting 64958



Application

- Strong double-sided tape for multiple applications like pre-fixing, posters or price tags
- Suitable for fixing lighter objects, such as cable channels, stucco mounting and skirting
- For smooth and slightly rough surfaces

Product Features

- Highly conformable foam backing
- Very good adhesive strength on smooth and rough surfaces



Technical Data		Sizes and Packaging		
Total thickness [µm]	1050*	m:mm	1.5:19	5:19
Foam splitting [N/cm]	> 4	Pcs. IP/Box	12/72	10/60

* without cover

i Adhesive has limited resistance to temperature: 40 °C (long term) to 60 °C (short term).

tesa® Transparent Mounting 4965

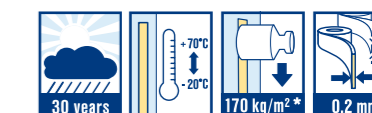


Application

- For attaching objects such as signs, thermometers etc. to glass
- For fixing transparent and translucent materials
- For minimal gaps after fixing

Product Features

- High initial tack and very high adhesive strength on smooth, solid surfaces, e.g. tiles, wood and most plastics
- Extra-thin and transparent (invisible)
- UV-resistant and suitable for outdoor use



Technical Data		Sizes and Packaging			
Total thickness [µm]	205*	m:mm	1.5:19	5:19	25:19
Adhesion/Steel [N/cm]	10.5	Pcs. IP/Box	12/72	12/72	8/48

* without cover

i Ideal for glass and transparent items.

Safety & Electrical Insulation

for Cable Insulation and Marking

Safety is paramount. Whether at a construction site, the workplace or an exhibition – the right precautions can help avoid accidents and injuries. **tesa's Safety and Electrical Insulation Range** provides a wide range of tapes for marking hazardous areas, reducing the likelihood of slips and trips and insulating electrical cables.

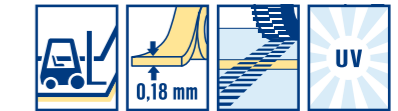
P R E M I U M

tesa® Permanent Marking Tape 4169



- Application**
- Premium marking tape for permanent, high-traffic floor markings
 - Marking of working areas, make guide route for optically-controlled transport vehicles
 - Mark out courts in sports halls

- Product Features**
- High adhesive strength
 - UV-resistant
 - Robust and resistant PVC backing, fork-lift trucks can drive over it
 - Highly flexible backing to cope with curves



Technical Data		Sizes and Packaging	
Total thickness [µm]	180	m:mm	33:50
Adhesion/Steel [N/cm]	1.8	Pcs. IP/Box	6/36
Elongation at break [%]	200	Colours	■ ■ ■ ■ ■ ■ ■

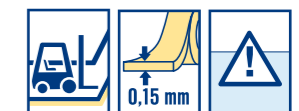
- i**
1. For permanent applications
 2. Easy and accurate application with special designed dispenser

tesa® Marking Tape 60760



- Application**
- Temporary marking tape
 - Identify and mark mobile and stationary objects

- Product Features**
- High adhesive strength on many substrates
 - Robust PVC tape highly resistant to abrasion
 - Hand tearable



Technical Data		Sizes and Packaging	
Total thickness [µm]	150	m:mm	33:50
Adhesion/Steel [N/cm]	2	Pcs. IP/Box	6/36
Elongation at break [%]	220	Colours	■ ■ ■ ■ ■ ■ ■

- i**
1. For temporary applications
 2. Easy and accurate application with special designed dispenser

tesa® Anti Slip Tapes 60950, 60951, 60952, 60953



- Application**
- Suitable for all applications in which a secure grip underfoot is required, e.g. flights of steps, ladders, ramps, cartrailers, scaffolding etc.
 - Fluorescent: stays bright for a long period for safety and warning purposes in dark rooms
 - Transparent: make valuable surfaces such as wooden stairs, for example, safe unobtrusively

- Product Features**
- Very high adhesive strength
 - Pronounced anti-slip effect for up to 2 years
 - Especially resistant to abrasion, strong and sturdy
 - Resistant to UV, temperature, (salt) water and detergents



Technical Data		Sizes and Packaging			
Total thickness [µm]	810	tesa®	Colours	m:mm	Content IP/Box
Adhesion/Steel [N/cm]	10	60950	■ Black	15:25/50/100	6/36, 3/18, 3/9
Elongation at break [%]	200	60951	■ Yellow/Black	15:50	3/18
		60952/60953	□ Transparent / ■ Fluorescent	15:25	6/36

- i**
- These tapes prevent slipping permanently. tesa® 60953 glows in the dark.

Safety & Electrical Insulation

for Cable Insulation and Marking

Perfect for sealing electrical cables and connections, as well as for colour marking. **tesaflex® Tapes** offer excellent film flexibility and adhesion. For hassle-free installation the specifically designed highly flexible tapes conform easily to irregular shapes and surfaces. Perfect for industrial repairs, automotive and construction purposes, as well as many other general applications.

P R E M I U M

tesaflex® 4163



Application

- For insulation, marking, bundling, repairing, splicing and many other applications

Product Features

- UV stable acrylic adhesive, suitable for permanent applications
- Temperature resistant up to 105 °C



Technical Data		Sizes and Packaging	
Total thickness [µm]	130	m:mm	33:19 33:50
Adhesion/Steel [N/cm]	1.8	Pcs. IP/Box	5/120 3/36
Elongation at break [%]	250	Colours	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

i Isogeno grey color is suitable for installation jobs.

tesaflex® 53948 IMQ/SEMKO



Application

- Specially formulated self extinguishing plasticised PVC tape
- For wire and cable insulation, masking, bundling, repairing, splicing and many other applications

Product Features

- Good flexibility and adhesion also at lower temperatures
- Temperature-resistant up to 90 °C
- Dielectric breakdown voltage 5000 V
- Certified by VDE, IMQ and Semko according to ICE regulation 60454-3-1



Technical Data		Sizes and Packaging	
Total thickness [µm]	130	m:mm	20:19
Adhesion/Steel [N/cm]	2.7	Pcs. IP/Box	10/250
Elongation at break [%]	260	Colours	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Dielectric strength [V]	5000		

i Insulation tape according to the IEC regulations. Flame retardant.

tesaflex® 4252 General Purpose



Application

- Suitable for temporary applications

Product Features

- Assorted colours



Technical Data		Sizes and Packaging	
Total thickness [µm]	120	m:mm	20:19
Adhesion/Steel [N/cm]	2.8	Pcs. IP/Box	10/250
Elongation at break [%]	180	Colours	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

i General purpose version.

Packaging

for Closing and Reinforcing

The **tesa® Packaging Tape Range** offers the perfect selection of high performance PVC and PP tapes designed to deal with any packaging tasks. Perfect for bundling, reinforcing, label protection and box sealing tesa® Packaging Tapes provide excellent adhesion on different cardboard grades, silent and smooth unwinding and excellent sealing performance. For excellent sealing strength and great performance the tesa® Packaging Tape Range has been designed to meet your every need.



PREMIUM

tesa® Premium Packaging PVC Tape 4124



Application

- High Performance PVC tape for packaging and bundling of heavy goods

Product Features

- Excellent adhesion on different grades of cardboard
- Silent and smooth unwinding
- Thick tape allows comfortable handling and perfect appearance on the box
- Natural rubber adhesive ensures good performance under different weather conditions



Technical Data	
Total thickness [µm]	65
Adhesion/Steel [N/cm]	3.2
Elongation at break [%]	60

Sizes and Packaging	
m:mm	66:50
Pcs. IP/Box	6/36
Colours	<input type="checkbox"/> <input checked="" type="checkbox"/>

i Secures a safe closure of medium and also heavy weight cartons. Suitable for all tesa® hand dispensers.

tesa® Comfort Packaging PVC Tape 4100



Application

- Universally applicable for sealing medium-weight shipping boxes

Product Features

- Embossed film texture
- Quietly and evenly rolling off
- Ideally suitable for machining work and for processing with all common hand rollers



Technical Data	
Total thickness [µm]	65
Adhesion/Steel [N/cm]	2.2
Elongation at break [%]	75

Sizes and Packaging	
m:mm	66:50
Pcs. IP/Box	6/36
Colours	<input type="checkbox"/> <input checked="" type="checkbox"/>

tesa® Universal Packaging PP Tape 4024



Application

- Good performance PP tape for closure of light to medium weight cartons

Product Features

- Good adhesion on cardboard due to high tack adhesive
- Silent unwind
- Solvent free acrylic adhesive with excellent aging resistance



Technical Data	
Total thickness [µm]	52
Adhesion/Steel [N/cm]	3
Elongation at break [%]	140

Sizes and Packaging	
m:mm	66:50
Pcs. IP/Box	6/36
Colours	<input type="checkbox"/> <input checked="" type="checkbox"/>

i As the product is chlorine free, disposal by heat-treatment is environment friendly. Suitable for all tesa® hand dispensers.

Hints and Tips

General information

In construction, there is a large number of jobs requiring masking tapes. The requirements of these jobs are very different.

In one case, for example, masking is required for exterior plastering work which may take weeks. In another case, for example when applying wall glazes, just simple protection against splashes is required for a short period. In another case again, rugged adhesive tapes are required which do not tear even when applied to thick floor coatings.

It is obvious that one individual product cannot satisfy every requirement and that in some cases, application-specific adhesive tapes need to be used. It is often a false economy to use old adhesive tape, because this frequently results in complaints and extra work or rework at a later date.

To achieve perfect results, four basic principles need to be taken into account.

1

Selecting the right product

Interior or exterior use

Weather-resistant adhesive tapes are required for outdoor usage. They must be durable to UV radiation and moisture, so that no adhesive residues remain and tape does not tend to keep tearing upon removal.

Time of usage

The time of usage is likewise an important point when selecting a product, since virtually all adhesive tapes adhere with greater strength, as adhesion time increases. The maximum time of usage – i.e. the time after which the product in question can still be removed without difficulty – is limited depending on the type of adhesive tape. If the time of usage is exceeded, the risk of resulting residues, or the substrate being damaged when the tape is removed, increases significantly.

Note: All tesa products quote the time of usage on their labels.

Type of substrate

A number of issues need to be taken into account here:

Smooth, rough or textured

The rougher a substrate, the stronger/thicker the layer of adhesive compound needs to be.

Material

easy substrates: wood, metal, plastic etc.
 difficult substrates: e. g. silicone sealings

Surface strength

The strength of the substrate needs to be greater than the adhesive strength of the adhesive tape, so that no damage is caused when the tape is removed.

Durability required

The requirement for durability in masking solutions varies depending on the type of work. Normal painting work does not put adhesive tapes under much mechanical strain, but work involving a filler – involving a filler or in particular demand filmic or cloth products which, unlike paper adhesive tapes, do not immediately give up on contact with a trowel, mortar and lots of water.

Precision required

The quality of the masking result, i.e. the desired precision of the paint edge, is relevant when selecting a masking tape. Depending on the application (example: simple floor masking when painting a wall or sharp edges within lacquering with two or more colors), and on your own or the customer's requirements, you should select a product from the Precision Mask® range or one from the standard range.

2

Applying it properly

Application on clean surface

The prerequisite for secure adhesion is generally a surface, which is free of dust, moisture, grease, oil or other contaminations. (Traces of) silicone and waxes (e.g. from polishes) also reduce adhesion reliability.

Press on properly

For an optimum masking result, i.e. accurate, clean paint edges with no paint bleeds, the adhesive tape should be pressed on firmly when it is applied.

Ambient temperature

Applying:
 Adhesive tapes should only be applied at temperatures between 5 and 40 °C*. At lower temperatures, adhesion on application drops significantly. What is more, ease of handling be affected by the high unrolling force.

Removing:

After the tape has been applied, lower or higher temperatures may prevail. When removing the tape, it is essential to ensure that the temperature of the substrate is at least 5 °C*, as the backing and the adhesive compound may become brittle at low temperatures. The tape will then only be able to be removed from the substrate in juddering movements with the risk of tearing. Moreover, residues of adhesive compound may result, and these take time and effort to remove.

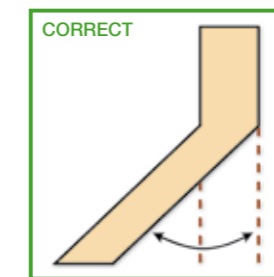
* An exception is tesa® 4843 Premium Plastering Tape Orange, which can be used as low as 0 °C.

3

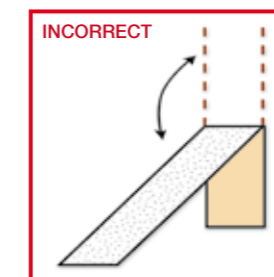
Taking it off properly

Correct angle

Ideally the tape should be peeled off at an acute angle to the substrate. The risk of residues resulting is least at an angle of approx. 45°. If the peel-off angle is approx. 90° or even greater, the risk of residues remaining on the surface.



Ideal peel-off angle (approx. 45°)



Peel-off angle is too great. Risk of adhesive compound residues.

Slowly and steadily

Adhesive tapes should always be pulled off slowly, steadily and never in jerks. This will provide the lowest risks that residues or tearing occur.

Temperature

The temperature of the substrate should be not below 5 °C, as the backing and the adhesive compound become brittle at low temperatures (see above). This makes the tape more likely to tear and increases the risk of adhesive compound residues.

Not exceeding usage time

Ideally you should remove adhesive tapes immediately while the paint is touch-dry, but before it is fully dry.

4

Storing it properly

The same applies to adhesive tapes as applies to most other objects – correct storage maintains quality. The main factors influencing the age of adhesive tapes is temperature as well as storage time.

Storage temperature

Adhesive tapes age much more quickly at an elevated storage temperature. We particularly warn against storing tapes behind windows. High temperatures there can easily cause adhesive tapes to sustain damages (reduction of adhesion, resulting in a tendency to leave residues when tape is removed).

Storage time

An adhesive tape which has been stored incorrectly or for too long may cause damages to the taped surface. Cold or over-hot rolls of adhesive tape should be acclimatized to ambient temperature before being applied. This should be taken into account when adhesive tapes are stored in frosty or hot conditions – in construction site vehicles for example. Ideal storage conditions, avoid high humidity and sun light, with temperatures not exceeding 25 °C. Usually masking tapes are best before two years of purchase.



The tesa Group – worldwide

With tesa offices in over 50 countries, 8 production/finishing sites and over 3,800 employees globally, tesa is one of the largest manufacturers of technical adhesive tapes in the world.

- Production / finishing
- Sales offices

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 SE 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.