

manuals.plus /

- › [tesa](#) /
- › [tesa fix 4965 Double-Sided Mounting Tape Instruction Manual](#)

**tesa 4965**

# tesa fix 4965 Double-Sided Mounting Tape Instruction Manual

Brand: tesa | Model: 4965

## 1. PRODUCT OVERVIEW

The tesa fix 4965 is a transparent, double-sided mounting tape featuring a polyester carrier and an acrylate adhesive system. It is designed for strong, reliable bonding across various surfaces, including plastics like ABS and EPDM, due to its high resistance to plasticizers. This tape is characterized by its temperature resistance and strong initial and long-term adhesion.

It is commonly used in applications such as mounting ABS parts in the automotive industry, self-adhesive fitting of rubber and EPDM profiles, strip bonding in the furniture industry, sealing insulating pipe shells, display and sign gluing, equipment of lead profiles, convertible top bonding, and endless bonding of aluminum sheets.



Figure 1: A roll of tesa fix 4965 transparent double-sided mounting tape. The tape is wound on a core, and a section of the red protective liner is peeled back, revealing the clear adhesive tape beneath.

## 2. SETUP AND PREPARATION

Proper surface preparation is crucial for optimal adhesion. Follow these steps before applying the tape:

1. **Clean Surfaces:** Ensure all surfaces to be bonded are clean, dry, and free from dust, dirt, oil, grease, and other contaminants. Use an appropriate cleaning agent if necessary, and allow surfaces to dry completely.
2. **Temperature:** For best results, apply the tape at room temperature, ideally between 15°C and 25°C (59°F and 77°F). Extreme temperatures can affect initial tack and final bond strength.
3. **Surface Smoothness:** While the tape offers strong adhesion, extremely rough or porous surfaces may require additional preparation or a primer for maximum bond strength.

## 3. OPERATING AND APPLICATION

Follow these instructions for applying tesa fix 4965 tape:

1. **Cut to Length:** Cut the desired length of tesa fix 4965 tape from the roll.
2. **Apply to First Surface:** Apply the tape firmly to one of the surfaces to be bonded. Ensure even pressure across the entire length of the tape.
3. **Remove Liner:** Carefully peel off the red protective liner to expose the second adhesive side.
4. **Position and Bond:** Align the second surface precisely with the tape. Once positioned, press the two surfaces together firmly and evenly along the entire bonded area. Apply consistent pressure for several seconds to ensure good initial contact.
5. **Curing Time:** While initial tack is strong, the adhesive will reach its full bond strength over time. Allow 24-72 hours for the adhesive to fully cure, especially for critical applications.

## 4. MAINTENANCE AND STORAGE

To maintain the quality and performance of tesa fix 4965 tape:

- **Storage:** Store the tape in its original packaging in a cool, dry place, away from direct sunlight and extreme temperatures. Ideal storage conditions are typically between 10°C and 30°C (50°F and 86°F) with relative humidity between 40% and 70%.
- **Shelf Life:** Adhesives can degrade over time. Refer to the product packaging or manufacturer's guidelines for specific shelf life recommendations.
- **Handling:** Avoid touching the adhesive surface with bare hands to prevent contamination from oils and dirt, which can reduce adhesion.

## 5. TROUBLESHOOTING

If you experience issues with adhesion, consider the following common causes and solutions:

- **Poor Adhesion:**
  - *Cause:* Insufficient surface cleaning. *Solution:* Ensure surfaces are thoroughly cleaned and dried before application.
  - *Cause:* Incorrect application temperature. *Solution:* Apply tape within the recommended temperature range (15°C - 25°C).
  - *Cause:* Insufficient pressure during application. *Solution:* Apply firm, even pressure across the entire bonded area.
  - *Cause:* Incompatible surface material. *Solution:* While tesa fix 4965 is versatile, some low-surface-energy plastics may require a primer.
- **Tape Not Sticking Evenly:**
  - *Cause:* Uneven surface or trapped air bubbles. *Solution:* Ensure surfaces are as flat as possible. Apply tape slowly and press out any air bubbles.

## 6. SPECIFICATIONS

The following table details the technical specifications and adhesive properties of tesa fix 4965:

### Technical Features

Property	Value
Carrier Material	PET film
Colour	Transparent
Thickness	205 micron
Adhesive Type	Modified acrylate
Elongation at Break	50%

Property	Value
Tensile Strength	20 N/cm
Temperature Resistance (short term)	200 °C
Temperature Resistance (long term)	100 °C
Adhesive Force	+
Ageing Resistance (UV)	++
Moisture Resistance	++
Chemical Resistance	+
Softener Resistance	+
Static Shear Strength at 23°C	+
Static Shear Strength at 40°C	+

Adhesive Strength (N/cm)

Surface	Initial	After 14 Days
ABS	10.3	12
Aluminium	9.2	10.6
PC	12.6	14
PE	5.9	6.9
PET	9.2	9.5
PP	6.8	7.9
PS	10.6	12
PVC	8.7	13
Steel	11.5	11.8

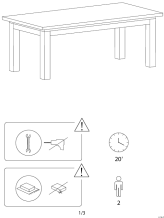

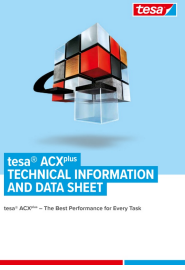



*Note: Adhesive strength values are typical and may vary based on surface conditions, application methods, and environmental factors.*

7. WARRANTY AND SUPPORT

For specific warranty information regarding your tesa fix 4965 product, please refer to the documentation provided with your purchase or contact tesa customer support directly. Warranty terms typically cover manufacturing defects.

For technical support, product inquiries, or to report an issue, please visit the official tesa website or contact their customer service department. You can find more information and contact details on the [tesa Brand Store on Amazon](#).



	<p><a href="#">Assembly Instructions for TESA Table 1179/TESA/150920</a></p> <p>Step-by-step guide to assembling a TESA table (model 1179/TESA/150920), including parts list, tools required, and assembly duration.</p>
	<p><a href="#">tesa Insect Stop Lightwell: Safety and Mounting Guide</a></p> <p>Essential safety instructions and mounting requirements for the tesa Insect Stop Lightwell. Learn about necessary tools, protective gear, and crucial safety precautions when installing or working near lightwells.</p>
	<p><a href="#">tesa ACXplus: Technical Information, Data Sheet, and Product Specifications</a></p> <p>Comprehensive technical information and data sheet for tesa ACXplus, a high-performance double-sided acrylic foam tape for demanding bonding applications. Details product families, technical features, resistance properties, and application guidelines.</p>
	<p><a href="#">tesa@ Aluminium Tape: Durable, High-Adhesion Repair and Sealing Solution</a></p> <p>Product information for tesa@ Aluminium Tape (BNR 56221, 56223), detailing its features, technical specifications, and applications for protection, covering, insulation, and repair of metal surfaces.</p>
	<p><a href="#">tesa@ extra Power Universal Duct Tape   Product Information</a></p> <p>Detailed product information for tesa@ extra Power Universal duct tape, including features, technical specifications, performance values, and product construction. Ideal for repairs, handicrafts, and fastening.</p>
	<p><a href="#">TESA &amp; Brown &amp; Sharpe Best Deals 2021: Precision Measuring Instruments Catalog</a></p> <p>Explore TESA and Brown &amp; Sharpe's Best Deals for 2021, featuring a wide range of high-quality measuring instruments including micrometers, calipers, dial indicators, and more. Find promotional prices on precision tools for workshops and laboratories.</p>