OPENING POSSIBILITIES

Our Solutions for the Door and Window Industry
DOOR APPLICATIONS

Contemporary residential entrance doors combine a clean look with new materials, durability, and good thermal insulation values. Our range of adhesive tape is based on a modern and efficient bonding method: our products offer a durable bond, support flexibility in design, and lead to faster processes.

Door panel bonding
Flush door designs with frame-concealing panels are becoming increasingly popular. Implement your design concepts, achieve a durable bond, and benefit from a fast assembly process using our tesa® ACXplus 707x series.

- Temperature- and UV-resistant design
- Immediate bond without curing
- Proven performance in differential climate test

Decorative trims
Decorative elements such as metal trims or glass give standard doors their individual look: tesa® ACXplus 707x series, tesa® 625xx series

- Choose tesa® ACXplus for exceptional bonding strength
- Fast and clean bonding process
- Design flexibility due to range of thicknesses

Kick plate
Metal kick plates protect the door panel from daily wear and tear. Use our tape to reliably bond metal sheets to the door panel: tesa® ACXplus 7072

- Thin design gap
- Levels out differing thermal expansions
- High bonding strength and cold shock absorption

Insulation foam mounting
Modern door panels are built in a sandwich construction. Our scrim tapes efficiently bond cover panels and foam cores: tesa® 66013 PET scrim.

- Fast handling, high immediate adhesion
- Excellent adhesion to a wide range of surfaces
- Very low outgassing and smell

Surface protection
Our products protect sensitive surfaces against scratches, plaster, or paint until the building is finally handed over to its owner. We recommend tesa® 4848 and particularly tesa® 50530 for paint finishes.

- Weathering resistance
- Clean removal

Glass element bonding
Glass or window elements and cover frames can be assembled in a fast and flexible way using products from the tesa® ACXplus 707x series.

- Excellent bonding power and durability
- Levels out differing thermal elongation
- Various thicknesses available for different design gaps

Surface protection
Our products protect sensitive surfaces against scratches, plaster, or paint until the building is finally handed over to its owner. We recommend tesa® 4848 and particularly tesa® 50530 for paint finishes.

- Weathering resistance
- Clean removal
Windows are an important building element in terms of design, energy efficiency, and convenience – and thus the subject of constant innovation. Within the window design process, adhesive tape has become a proven component and it offers advantages in terms of flexibility and assembly speed. Our work with customers, test institutes, and associations enables us to provide the application solutions you need.

Frame cover bonding
Additional cover shells to the sash can improve aesthetics, thermal insulation, or weathering resistance. Choose from our tesa® ACXplus or PE foam assortment according to your specific requirements.

Muntin bars
Achieve exceptional bonding and safe assembly with the tesa® 62512 or tesa® ACXplus 706x series.
- Resists climatic and mechanical loads
- Tested at ift Rosenheim

New possibilities in dry glazing with tape
Make your customers enjoy more aesthetic windows that exude high quality. Not only does our range of tape enable a modern, frame-concealing design, it also improves the window’s structural properties and protects against burglaries.

**tesa® 62612 DryGlaze**
High-performance PE foam tape
- Specifically for residential PVC windows with glazing bead
- Adds stiffness to the window
- Good gap-filling properties

**tesa® 7066 – ift proof of performance**
Adhesive bond of glazing bars to IGU
- Report no. 14-002387-PR02

**tesa® 62512 – ift proof of performance**
Adhesive bond of glazing bars to IGU
- Report no. 14-002387-PR03

**tesa® 62612 – ift proof of performance**
Adhesive bond in accordance with the ift guideline VE-08/2, part 1
- Report no. 11-002533-PR04

**tesa® ACXplus 707x series**
Acrylic foam tapes
- For designs without glazing bead
- Excellent weathering resistance
- Improved wind-load performance
- Give higher burglary resistance

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Dry glazing design options

**Wooden windows**
- Simplified profile cross section
- Savings on frame material
- More lightweight, slimmer frame

**Aluminum windows**
- Flush window design, slimmer frames
- Improved thermal insulation values
- For residential and commercial buildings

**PVC windows**
- Reduced racking, thus better closing performance, leads to less maintenance
- Enables larger windows using conventional captive design
- Better burglary resistance

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ADVANCED QUALITY AND INDIVIDUAL SERVICE

Benefits of working with tapes
Pressure-sensitive adhesive tapes are a proven bonding technology that provides benefits in quality, assembly speed, and design. Our tape dispensers can be integrated into your extrusion line easily and with minimal adjustments. They outperform solutions such as liquid adhesives or mechanical fasteners in many ways.

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<th>Double-sided tapes</th>
<th>Liquid glue</th>
<th>Mechanical fastening (e.g. rivets, screws, nails)</th>
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- **Design**
  - Improved visual appearance – no damage to the material
  - Invisible fastening – mounting of transparent materials
  - Fast application process – elimination of curing time and reduction of complexity

- **Assembly**
  - Healthy working environment and clean production sites
  - Compensation of irregular or uneven surfaces – gaps between bonded surfaces are eliminated

- **Quality**
  - Compensation of tension and stress dissipation – single bonding point with mechanical fasteners can lead to material breakage
  - Noise-dampening properties – sounds caused by vibration are eliminated
  - Shock absorption
  - Sealing function – tape seals and protects against dust and moisture
  - Reduced risk of corrosion

**Double-sided tapes**
- **tesa® ACX™ 707x**
  - Acrylic foam
  - Thickness: 500
  - Color: Black
- **tesa® ACX™ 7072**
  - Acrylic foam
  - Thickness: 1,000
  - Color: Black
- **tesa® ACX™ 7074**
  - Acrylic foam
  - Thickness: 1,500
  - Color: Black
- **tesa® ACX™ 7076**
  - Acrylic foam
  - Thickness: 2,000
  - Color: Black
- **tesa® ACX™ 705x**
  - Acrylic foam
  - Thickness: 1,000
  - Color: Transparent
- **tesa® ACX™ 7055**
  - Acrylic foam
  - Thickness: 1,200
  - Color: Black
- **tesa® 62612 DryGlaze**
  - PE foam
  - Thickness: 1,600
  - Color: Black
- **tesa® 62505**
  - PE foam
  - Thickness: 500
  - Color: Black/white
- **tesa® 62510**
  - PE foam
  - Thickness: 1,000
  - Color: Black/white
- **tesa® 62512**
  - PE foam
  - Thickness: 1,200
  - Color: Black/white
- **tesa® 62538**
  - PE foam
  - Thickness: 2,000
  - Color: Black/white
- **tesa® 62539**
  - PE foam
  - Thickness: 3,000
  - Color: Black/white
- **tesa® 66013**
  - PET scrim
  - Thickness: 150
  - Color: Translucent

**Adhesion promoters**
- **tesa® 60150**
  - Universal Adhesion Promoter: enhances bonding strength to various substrates.
- **tesa® 60151**
  - Adhesion Promoter for Glass: specifically enhances permanent bonding strength to glass.
- **tesa® 50690**
  - Set of pen with tips for adhesion promoter application.
- **tesa® 60153**
  - Fast Cure Adhesion Promoter: increases immediate adhesion and enhances bonding strength to various substrates.

**Application tools**
- **tesa® 6085**
  - Easy Taper: standard manual dispenser for tape application from the roll.
- **tesa® 6055**
  - Profile Taper: individual project tool for manual tape application to profiles.
- **tesa® 6081**
  - Spool Dispenser: unit with brake/buffer system for integration to e.g. extrusion lines.
- **tesa® 6096**
  - Motorized spool dispensing unit specifically for tesa® ACX™ with interliner rewinding unit.

**Bonding tapes**
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**Membership to associations:**
- 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.

*ift proof of performance available for products
**more thicknesses available

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