WE ARE THE ADHESIVE EXPERTS FOR ANY APPLICATION

WE SELL THE COMPLETE PACKAGE FOR YOUR GRANITE & SOLID SURFACE APPLICATIONS

- High Bond Tape
- Interior Mounting Tape
- Double-Sided Foam Tape
- Banner Tape
- Masking Tape
- Powder-Coating Tape

Order online at www.chemical-concepts.com or call 1.800.220.1966
High Bond Tapes

Chem-Set™ Solutions for the Signage Industry

**Chem-Set™ VST 3025** 10 mil (0.010”) CLEAR
DC Acrylic Foam Poly Paper Liner.
- High tensile strength
- Moisture and solvent resistant
- Exceptional dynamic shear properties in hot and cold temps

**COMPARE TO:** 3M VHD 4905 and 4910

**Chem-Set™ VST 3050** 20 mil (0.020”) CLEAR
DC Acrylic Foam Poly Paper Liner.
- High tensile strength
- Moisture and solvent resistant
- Exceptional dynamic shear properties in hot and cold temps

**COMPARE TO:** 3M VHD 4905 and 4910

**Chem-Set™ VST 6100** 40 mil (0.040”) CLEAR
Transparent tape with an acrylic core.
- High tensile strength
- Moisture and solvent resistant
- Exceptional dynamic shear properties in hot and cold temps

**COMPARE TO:** 3M VHD 4905 and 4910

**Chem-Set™ VST 6120** 47 mil (0.047) GRAY or WHITE
DC Acrylic Foam Poly Paper Liner.
- High tensile strength
- Moisture and solvent resistant
- Exceptional dynamic shear properties in hot and cold temps

See our complete line of Tapes at chemical-concepts.com
High Bond Tapes

Solutions for the Signage Industry
Optically Clear Bonding

**tesa® 7054 ACXplus** 20 mil (.020”) CLEAR
- Transparent acrylic core tape
- Perfect for bonding of transparent materials such as glass or acrylic
- High immediate tack and peel adhesion
- Used for: Sign manufacturing, Deco glass panels, Partition walls

**tesa® 7055 ACXplus** 40 mil (.040”) CLEAR
- Transparent acrylic core tape
- Perfect for bonding of transparent materials such as glass or acrylic
- Characterized by its bonding power, stress dissipation and its temperature and weather resistance
- Used for: Sign manufacturing, Deco glass panels, Partition walls

**tesa® 7063 ACXplus** 32 mil (.032”) BLACK
- Black tackified acrylic core tape
- Tackified for bonding of “hard-to-bond materials”
- Great expansion/contraction capabilities
- High immediate tack and peel adhesion
- Used for: Painted signage, low surface energy surfaces (PE, PP, PVC)

**tesa® 7065 ACXplus** 47 mil (.047”) BLACK
- Black tackified acrylic core tape
- Tackified for bonding of “hard-to-bond materials”
- Great expansion/contraction capabilities
- High immediate tack and peel adhesion
- Used for: Painted signage, low surface energy surfaces (PE, PP, PVC)

**tesa® 61010** 8 mil (.008”) CLEAR
- Clear permanent mounting tape
- Used for: Interior signage

See our complete line of Tesa® Tapes @ chemical-concepts.com
General Assembly & Masking Tapes

Solutions for the Signage Industry

**tesa® 4970 Banner Tape**
- White PVC-film acrylic tape
- Excellent combination of high tack and immediate adhesion
- Great for rough surfaces
- Strong adhesive power and humidity resistance

**tesa® 4334 Precision Mask**
- Yellow precision masking tape
- Suitable for precise applications
- Guarantees very sharp-edged finishing
- Suitable for delicate surfaces

**tesa® 53120 General Purpose Mask**
- Creme creped paper masking tape
- Cost efficient
- Good for general purpose bonding, molding, sealing and surface protection
- Adheres to a variety of surfaces

**tesa® 50600 Powder-Coating Tape**
- Distinctive green color
- Conformable to most surfaces
- Temperature resistant up to 220°C / 428°F
- Provides sharp paint edges

See our complete line of Tesa® Tapes @ chemical-concepts.com
Foam Tapes

Double Coated Foam Tape
1/16” Thick
- Used for mounting and joining nameplates, signs, small die cast parts, mirrors, maps, etc
- Excellent quick-stick sealing with high shear properties
- Good resistance to humidity, mild acids, oil and grease

Double Coated Foam Tape
1/32” Thick
- Used for mounting and joining nameplates, signs, small die cast parts, mirrors, maps, etc
- Excellent quick-stick sealing with high shear properties
- Good resistance to humidity, mild acids, oil and grease

tesa® 62934
Double Sided PE Foam Tape
1/32” Thick
- Versatile adhesive for high immediate adhesion
- UV, water, aging and cold shock resistant
- Specifically designed for rough surfaces and mounting of parts with gaps

See our complete line of Foam Tapes @ chemical-concepts.com
Tape Information

Panel and Letter Mounting

For mounting large sheets of common materials such as Dibond, Reynobond, PMMA¹, Aluminum ...

Recommended tesa® ACX⁺⁺⁺ Tapes for Optically Clear Bonding:
tesa® 7054 ACX⁺⁺⁺, tesa® 7055 ACX⁺⁺⁺

- Bonding Translucent Materials
  - Acrylic core tape with very high transparency
  - Available in two different thicknesses: 20mil and 40mil
  - Very high initial and final bonding strength
  - Compensates for thermal expansion of dissimilar materials
  - Water and vapor tight, chemical resistant, and no yellowing, even after exposure to UV² light and outdoor elements
  - First choice for mounting translucent materials

Recommended tesa® ACX⁺⁺⁺ Tapes for Hard-to-Bond Substrates:
tesa® 7063 ACX⁺⁺⁺, tesa® 7065 ACX⁺⁺⁺

- Hard-to-Bond Substrates
  - Black acrylic core tape
  - Bonding lower energy surfaces
  - Bonding powder-coated surfaces
  - Temperature and weather resistant
  - Compensates for thermal expansion of dissimilar materials
  - Available in two thickness: 32mil and 47mil

LED³ Mounting

For permanent bonding of LEDs to common surfaces such as Dibond, Reynobond, PMMA, Aluminum ...

Recommended tesa Tape for LED Mounting:
tesa® 62934

LED Mounting Tape

- High ultimate adhesive strength for secure bonding performance
- High-temperature resistance
- UV, water, aging, and cold shock resistant
- Specially-designed for mounting LEDs

Additional Recommended tesa Tapes for LED Mounting:
tesa® 7054 ACX⁺⁺⁺, tesa® 7055 ACX⁺⁺⁺

- Acrylic core tape with very high transparency
- Available in two different thicknesses: 20mil and 40mil
- Very high initial and final bonding strength
- Compensates for thermal expansion of dissimilar materials
- Water and vapor tight, chemical resistant, and no yellowing, even after exposure to UV light and outdoor elements
- For high-demand LED applications and enhanced security

¹ PMMA - polymethyl-methacrylate ² UV - ultraviolet ³ LED - light emitting diode
**General Assembly**

For metal and plastic parts with narrow constructive gaps

*Recommended tesa Film Tapes:*
tesa® 61010, tesa® 4970

- **Filmic Mounting Tapes**
  - Very good bonding performance, even on critical surfaces
  - Excellent holding power at elevated temperatures
  - Strong adhesion power and humidity resistance
  - tesa® 61010 when transparency is needed
  - tesa® 4970 for superior initial tack and slightly rough surfaces

*Recommended tesa Foam Tape:*
tesa® 62934

- **Foam Mounting Tape**
  - Versatile adhesive for high immediate adhesion on numerous substrates
  - High initial and ultimate adhesion level
  - UV, water, aging, and cold shock resistant
  - Specially-designed for rough surfaces and mounting of parts with gaps

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**Masking**

*tesa® 4309 High-Temperature Masking Tape*
- Masking paint jobs with oven drying up to 120°C / 248°F
- Resistant to wet sanding
- Removable without leaving residues
- Specially-designed for oven drying processes and applications where a high adhesion level is needed

*tesa® 53120 PV1 General-Purpose Masking Tape*
- Suitable for general-purpose applications
- For bundling and protecting during production, storage, and transportation

*tesa® 4334 Precision Mask*
- Suitable for precise applications
- Guarantees very sharp-edged finishing
- Suitable for delicate surfaces
- Also suitable for all applications where residue-free removability, even after a long period, is needed

*tesa® 4174 Fine-Line Masking Tape*
- Specially-designed for two-tone applications with subsequent oven drying
- Flexible; no shrinkage
- Very good conformability to irregular shapes
- Outstanding workability in combination with its high performance, making it the first choice for all curved applications

*tesa® 50600 Powder-Coating Tape*
- Distinctive green color
- Conformable to most surfaces
- Temperature resistant up to 220°C / 428°F
- Provides sharp paint edges
- Also available on liner
- The solution for masking during powder coating processes
## Tape Information

### tesa® ACXplus - Permanent, High Bond Mounting

<table>
<thead>
<tr>
<th>Product</th>
<th>Backing</th>
<th>Thickness without liner [µm / mils]</th>
<th>Adhesive</th>
<th>Color</th>
<th>Steel 72 hours</th>
<th>PMMA 72 hours</th>
<th>Aluminum 72 hours</th>
<th>Glass 72 hours</th>
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<tbody>
<tr>
<td>tesa® 7054</td>
<td>acrylic</td>
<td>500 / 20</td>
<td>pure acrylic</td>
<td>clear</td>
<td>19.0 / 173.6</td>
<td>12.0 / 109.6</td>
<td>19.0 / 173.6</td>
<td>17.0 / 155.3</td>
</tr>
<tr>
<td>tesa® 7055</td>
<td>acrylic</td>
<td>1000 / 40</td>
<td>pure acrylic</td>
<td>clear</td>
<td>24.0 / 219.3</td>
<td>17.0 / 155.3</td>
<td>24.0 / 219.3</td>
<td>24.0 / 219.3</td>
</tr>
<tr>
<td>tesa® 7063</td>
<td>acrylic</td>
<td>800 / 32</td>
<td>tackified acrylic</td>
<td>black</td>
<td>30.0 / 274.1</td>
<td>27.0 / 246.7</td>
<td>32.0 / 292.4</td>
<td>32.0 / 292.4</td>
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<tr>
<td>tesa® 7065</td>
<td>acrylic</td>
<td>1200 / 47</td>
<td>tackified acrylic</td>
<td>black</td>
<td>40.0 / 365.4</td>
<td>35.0 / 319.8</td>
<td>36.0 / 328.9</td>
<td>36.0 / 328.9</td>
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*polymethyl-methacrylate

### Mounting

<table>
<thead>
<tr>
<th>Product</th>
<th>Backing</th>
<th>Thickness without liner [µm / mils]</th>
<th>Adhesive</th>
<th>Color</th>
<th>Steel 14 days</th>
<th>PC 14 days</th>
<th>Aluminum 14 days</th>
<th>PVC 14 days</th>
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<tr>
<td>tesa® 62934</td>
<td>PE-foam</td>
<td>800 / 32</td>
<td>tackified acrylic</td>
<td>black</td>
<td>17.0 / 155.3</td>
<td>17.0 / 155.3</td>
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<td>tesa® 61010 PV4</td>
<td>PET</td>
<td>205 / 8</td>
<td>tackified acrylic</td>
<td>clear</td>
<td>14.0 / 127.9</td>
<td>13.4 / 122.4</td>
<td>12.6 / 115.1</td>
<td>12.8 / 116.9</td>
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<tr>
<td>tesa® 4970</td>
<td>PVC</td>
<td>240 / 9.5</td>
<td>tackified acrylic</td>
<td>white</td>
<td>14.8 / 135.2</td>
<td>13.8 / 135.2</td>
<td>12.4 / 113.3</td>
<td>13.5 / 123.3</td>
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<tr>
<td>tesa® 4985</td>
<td>n/a</td>
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<td>11.1 / 101.4</td>
<td>9.7 / 88.6</td>
<td>10.0 / 91.4</td>
<td>9.4 / 85.9</td>
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<td>9.7 / 88.6</td>
<td>10.0 / 91.4</td>
<td>9.4 / 85.9</td>
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<td>tesa® 6013</td>
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### Masking

<table>
<thead>
<tr>
<th>Product</th>
<th>Backing</th>
<th>Thickness [µm / mils]</th>
<th>Adhesive</th>
<th>Color</th>
<th>Adhesion to Steel</th>
<th>Tensile Strength</th>
<th>Temperature Resistance [1 hour]</th>
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</thead>
<tbody>
<tr>
<td>tesa® 53120 PV1</td>
<td>creped paper</td>
<td>132 / 5.2</td>
<td>natural rubber</td>
<td>cream</td>
<td>3.4 / 31.1</td>
<td>36.8 / 21.0</td>
<td>50°C / 122°F</td>
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<tr>
<td>tesa® 4334</td>
<td>flat paper</td>
<td>90 / 3.5</td>
<td>acrylic</td>
<td>yellow</td>
<td>1.9 / 17.4</td>
<td>25.0 / 14.3</td>
<td>60°C / 140°F</td>
</tr>
<tr>
<td>tesa® 4309</td>
<td>creped paper</td>
<td>170 / 6.7</td>
<td>natural rubber</td>
<td>brown</td>
<td>3.5 / 32.0</td>
<td>47.0 / 26.8</td>
<td>120°C / 248°F</td>
</tr>
<tr>
<td>tesa® 4174</td>
<td>PVC</td>
<td>110 / 4.3</td>
<td>natural rubber</td>
<td>olive</td>
<td>3.4 / 31.1</td>
<td>25.0 / 14.3</td>
<td>150°C / 302°F</td>
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<tr>
<td>tesa® 50600</td>
<td>PET</td>
<td>80 / 3.2</td>
<td>silicone</td>
<td>green</td>
<td>4.0 / 36.5</td>
<td>40.0 / 23.0</td>
<td>220°C / 428°F</td>
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<td>tesa® 4846 PV1</td>
<td>PE</td>
<td>48 / 1.9</td>
<td>acrylic</td>
<td>clear</td>
<td>0.8 / 7.3</td>
<td>12.0 / 6.9</td>
<td>60°C / 140°F</td>
</tr>
</tbody>
</table>

*products provide 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 tape, inc. can make no warranties, expressed or implied, including, but not limited to any implied warranty or merchantability or fitness for a particular purpose. The user, therefore, 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.