



## The Transportation Industry Relies on MACtac®

Pressure Sensitive Adhesives Minimize Production Costs, Improve Performance and Aesthetics

Automobiles. Motorhomes. Recreational vehicles. From outstanding performance to flawless appearance, MACtac® keeps the transportation market moving. To consistently reach these high standards, each component, no matter how small, is integral to the success of the final product – and the bottom line.

In the transportation industry, saving money means staying competitive. That's why converters and manufacturers rely on MACtac to provide pressure sensitive solutions for

assembly, including bonding, gasketing and sound dampening. MACtac offers rubber and acrylic based adhesives in single-coated, double-coated and transfer tape constructions that can be customized for specific applications. From converters to OEMs, MACtac continues to be a multi-tiered supplier to the transportation industry, providing solutions for specific needs such as high-temperature resistance, superior conformability, bonding dissimilar materials or low surface energy bonding.

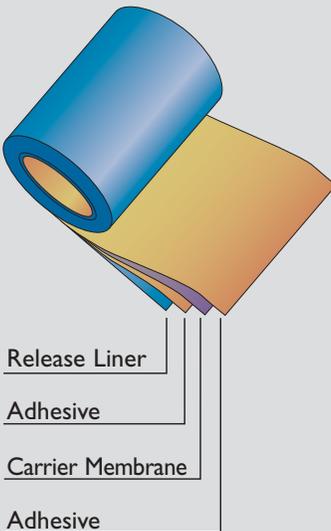
## We Sweat the Details.

At MACtac®, we sweat the details. And we have the credentials to prove it. From component supplier to the OEM, MACtac continues to be a strategic, multi-tiered supplier for the transportation industry.

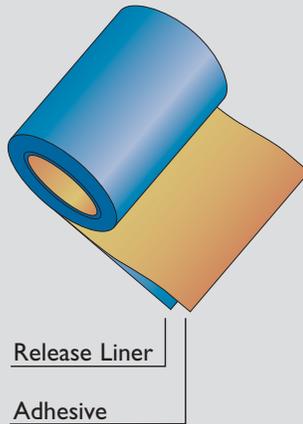
Our facilities have received ISO 9001 and QS 9000 certification. ISO/QS, as well as the highly-disciplined process of Six Sigma, provides us with a defined pathway for continuous product and service improvement.

MACtac products help you get the job done right. From gasketing to sound dampening to headliner bonding and mirror mounting – our pressure sensitive materials do their jobs regardless of the application:

### Double-Coated Construction: 1 liner



### Transfer Tape: 1 liner



**Challenging environments.** Our MACfilm® family has been expanded to include products made specifically for aggressive and high-tack applications, high-temperature resistance and bonding to low surface energy plastics.

**Auto interiors.** We offer products that bond to substrates such as plastics, fabrics, metal and glass. Our adhesives ensure even application and speedy assembly on irregular or uneven surfaces.

**Where sure footing is a must.** Black Grit Safety Tread (IC6187), our anti-slip specialty tape, offers reliable traction for watercraft, commercial vehicles, trailers, scissor lifts and more.

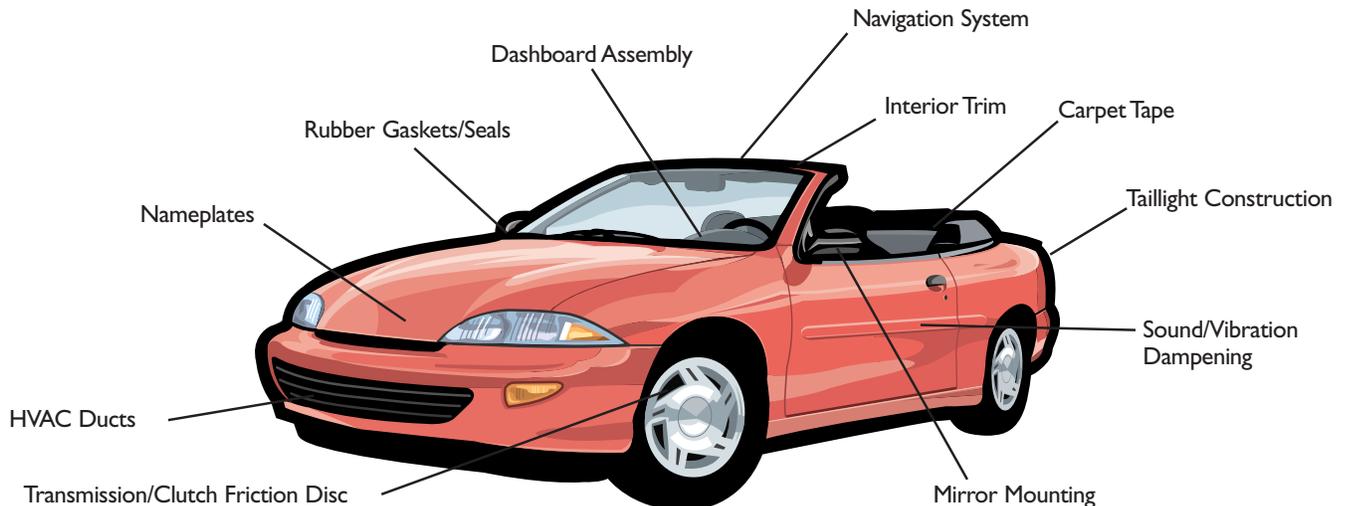
The fastener question may seem like a small one. However, advancements in adhesive technology have increased productivity by reducing manufacturing costs. Just take a closer look at the advantages to selecting pressure sensitive adhesives (PSAs):

**Ease of assembly.** Pressure sensitive adhesives adhere immediately, reducing assembly time. Additional operations associated with mechanical fastening, such as drilling, tapping and bolting, are also eliminated.

**Environmentally friendly.** Pressure sensitive adhesives contain significantly fewer volatile compounds often found in liquid, epoxy or spray adhesives.

**Looking good.** Pressure sensitive adhesives can eliminate unsightly surface bumps from mechanical fasteners such as rivets, screw heads and clips. Using PSAs can help prevent corrosion by removing the need for drilling holes.

## Look How We Sweat the Details ...



## Take a Closer Look at How MACtac® Improves Transportation Assembly

Product Name	Applications	Adhesive Type	Benefits	Carrier	Thickness
IL2004	Exterior mirror mounting; anti-shatter backing	Modified Acrylic	Single-coated adhesive; used in combination with RTV	Black High Density Polyethylene Film	5 - 7 mil
IF2083	Headliner mounting; interior assembly	Modified Acrylic	Adheres to low surface energy plastics; moisture-stable 12-point liner	None	3 mil
IF4020 IF4022	Transmission; clutch	Nitrile/Phenolic Thermoset	Structural adhesive bond	None	1 - 2 mil
IB1180 Series	Gaskets and seals; interior assembly	Rubber	Bonds to a wide range of surfaces; double-coated adhesive	Polyester	3 - 7 mil
IB2130 Series	Gaskets and seals; interior assembly; RV wallpaper applications	Modified Acrylic	Bonds to a wide range of surfaces; double-coated adhesive	Polyester	3 - 6 mil
IB2170 IB2190	Clear/white seam tapes for RV wallpaper applications	Acrylic	Bonds to a wide range of surfaces; double-coated adhesive	Polypropylene	5 - 9 mil
IB2154	Interior/exterior mirror mounting; anti-shatter	Modified Acrylic	Bonds to a wide range of surfaces; double-coated adhesive	Black High Density Polyethylene Film	7 - 10 mil
IB2405	Interior mirror mounting; anti-shatter; navigation systems; instrument panels	Acrylic	Bonds to a wide range of surfaces; double-coated adhesive	50# Black Paper	7 - 9 mil
IB6280	Watercraft footpads; gaskets and seals; interior assembly; profile extrusions	Acrylic	Improved foam bonding vs. transfer tapes; improved flexibility vs. polyester carrier	Scrim Reinforcement	7 - 9 mil
IM2908	Exterior mirror mounting	Acrylic	Bonds to a wide range of surfaces; double-coated adhesive	1/32" Black Polyolefin Foam	35 - 38 mil
IC6187	Anti-slip running boards: RV, cargo truck/trailer	Rubber	Non-slip surfaces; high, non-tear base film	Black Polyolefin Film	18 - 22 mil
GS Series	Gaskets and seals; sound dampening; vibration control; water shield door deflectors; carpet mounting; side wall assembly; roof assembly	Rubber	Even application; speeds assembly; ideal for several surfaces including metal and glass; securely bonds irregular or uneven surfaces	None	5 - 50 mil
Custom Tapes	Customized for specific applications	Rubber/Acrylic	Customized liners, release/adhesive coatings, carriers; improved processing during converting and end-use performance; wide range of adhesion	Various	Various

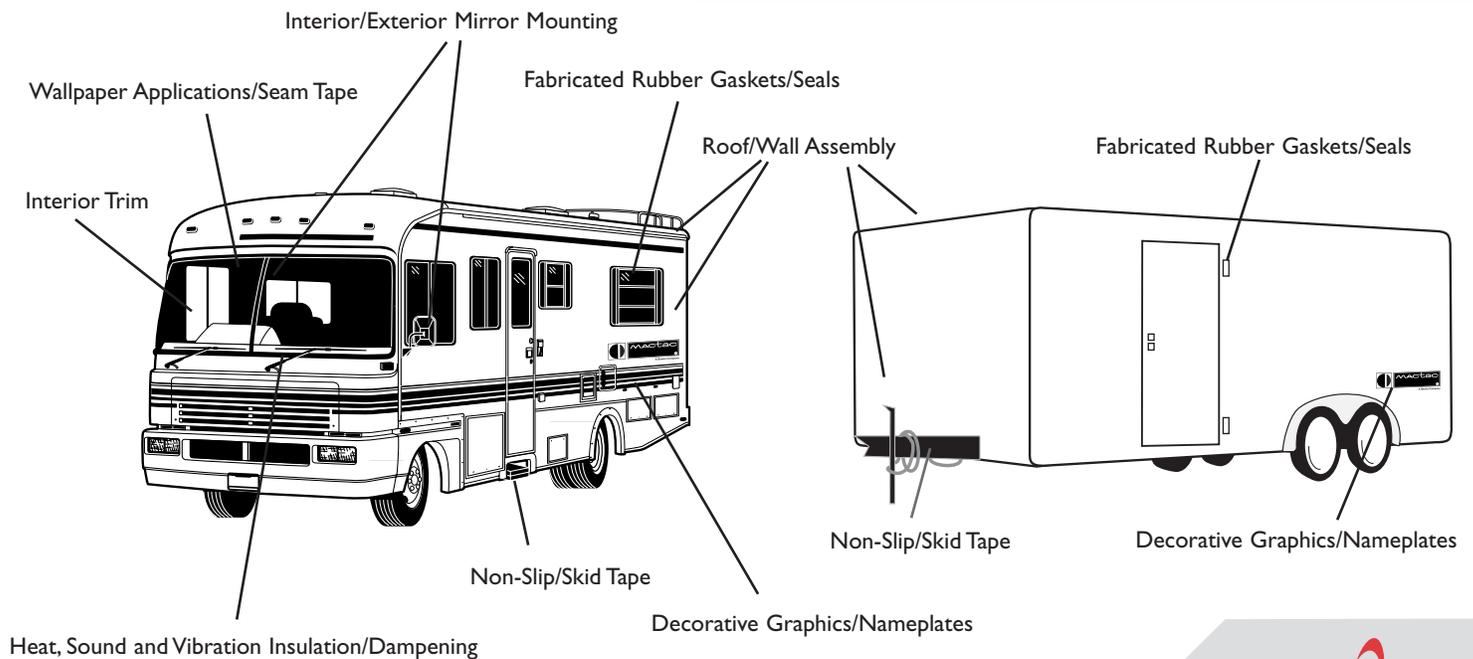
### Solutions for Any Size.

From automobiles to recreational vehicles, MACtac® provides the products that make for a smooth journey. Our PSAs offer reduced installation time, ease of assembly, increased substrate integrity and the smooth appearance often forfeited with mechanical fasteners. In the RV market, MACtac PSAs are essential in gap filling, floor construction, assembly of shower enclosures, and many interior and exterior assembly applications.

### Made to Be Seen.

Not all MACtac products are intended to be invisible. We also offer a comprehensive line of graphic products for vehicle and fleet marking, including wide-format digital media and protective overlaminates. Announce your arrival in graphic style.

## PSA Solutions for Your RV and Cargo Needs ...



### MACtac It. PSA Partnership.

At MACtac, we take great pride in the excellence of our PSA products and the people who bring them to you. That's why we've assembled a complete portfolio of services that you can count on every time you do business with us – services that are designed to help you **improve your speed to market**, your **productivity** and **profitability**.

People, products and a portfolio of services that you can count on. Now, how can MACtac help you today?



A Bemis Company

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