

>> MACTac[®] High-Strength Tape – a PSA to get stuck on

When the right product comes along, it's hard to keep it to yourself. It's natural to want to share the wealth, and spread the word that something great has been discovered. That's how MACTac[®] feels about the GS Series High-Strength Tape.

Customers introduced to these high-performance free films often envision a long list of possible applications for these tapes immediately after sampling, and they've got the right idea ... it may be tacky, but that's the point.

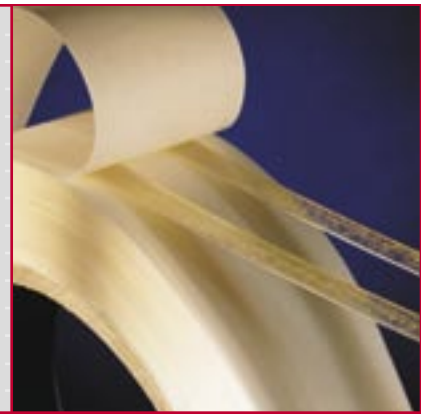
Specially formulated to provide instant, aggressive tack and peel adhesion as well as superior shear strength, GS Series High-Strength Tape is durable enough to replace many mechanical fasteners. This is serious stuff. A significant amount of pressure is

needed to separate the strong bond that's formed using the GS Series adhesive, making it ideal for the permanent bonding of substrates in the assembly and manufacturing industries.

The GS Series tapes are suitable for many substrates and can be applied without special equipment, contributing to increased savings in labor costs. With standard adhesive thicknesses of 5 to 50 mils, the GS Series has enough coat weight to easily establish secure bonds to uneven or irregular surfaces.



A clear polyester liner allows converters to apply GS tapes at almost any stage in the production process. GS tapes are available in both single and double-liner versions.



>> GS Series: Getting down to brass tacks (and eliminating them!)

MACtac's GS Series High-Strength Tape is so versatile that it can be found in countless applications in many different industries. A few of the markets that use GS Series tapes include:

Architectural Signage. Ensure a smooth profile and avoid the distracting appearance of bolts and rivets by using GS Series tapes to construct displays, panels and other signage.

Flooring Installation. The GS Series can be used instead of metal fasteners or messy liquid adhesives during the installation of carpet, wall molding and floor products.

P-O-P Design. From low cost, accurate assembly to smooth profile, durable displays and weatherproof packaging, the GS Series provides benefits during the entire creation process.

RVs/Trucks. Ideal for interior and exterior assembly applications, the GS Series tapes help improve appearance and remove unnecessary weight.

Specialty Packaging. GS Series adhesives provide a watertight seal on shipping crates and boxes.

This is just a sampling of the markets and uses for this high-strength tape. Just imagine all of the ways that MACtac's GS Series tape can make your company's assembly processes easier.

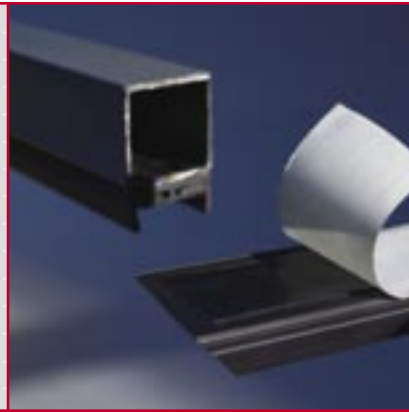
GS Series Features

- >> Rubber-based adhesive offers immediate bonding with less clean-up and waste compared to liquid adhesives.
- >> Durable enough to replace most mechanical fasteners.
- >> High peel and tack, suitable for difficult-to-adhere-to substrates, bonding and mounting to irregular surfaces, semi-structural bonding and assembly applications.
- >> Ideal for use with metal, wood, polyethylene, polypropylene, glass, rigid composites, hook-and-loop fasteners, extruded polymers and many other substrates.
- >> Thick, heavy-duty adhesive has gap-filling properties and serves as a moisture barrier.
- >> Offers significant cost savings over acrylic-based high-bond tapes. GS tapes offer lower tooling costs, reduced labor and faster assembly.

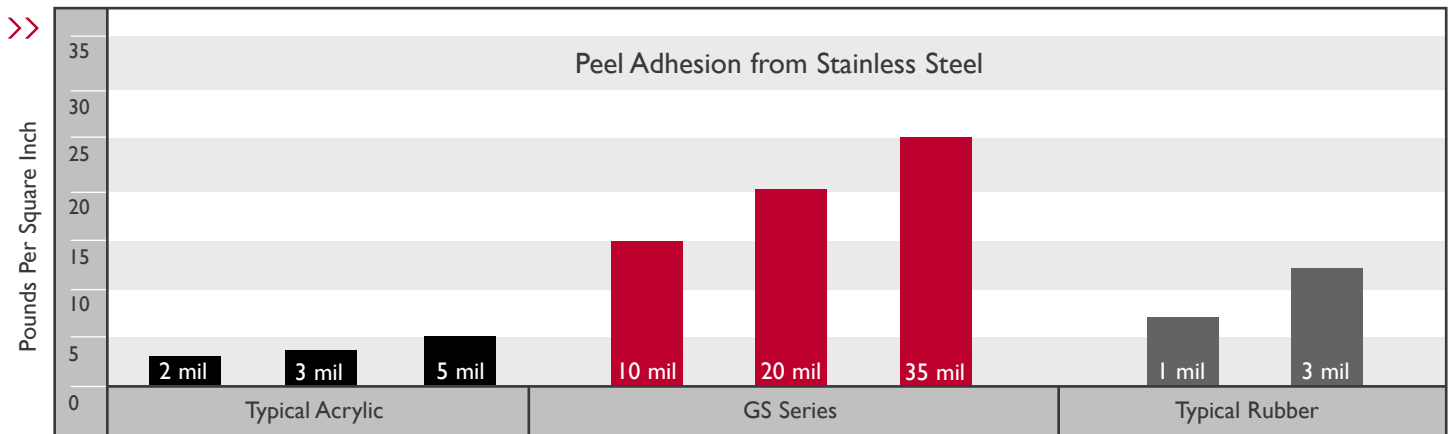
GS Series Specifications

- >> Single or double strips of adhesive are available for added project flexibility.
- >> A double-liner product (one paper, one film liner) is available for custom constructions.
- >> Custom adhesive widths range from 1/4" to 11 1/2"
- >> A single 60# kraft release liner with ungummed edges provides easy handling and quick removal. Clear, self-wound polyester liners (2-mil) are also available.
- >> Minimum liner width of 1", maximum of 12". Minimum lift tab of 1/8" required on each side of the adhesive strip.

For demanding applications, such as bonding of dissimilar materials, MACtac can custom-coat specific adhesive strips on a single release liner.



Available in 5-50 mils, GS Series tapes are durable enough to replace mechanical fasteners in many assembly applications, such as partition clips.



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Product Number	Adhesive Thickness	Typical Widths (inches)*	Length (feet)	High Temperature Performance
GS 2000 Series	5 mil	.5, .75, 1, 2	900	Excellent
GS 2100 Series	10 mil	.5, .75, 1, 2	600	Excellent
GS 2200 Series	15 mil	.5, .75, 1, 2	400	Excellent
GS 2300 Series	20 mil	.5, .75, 1, 2	300	Excellent
GS 2500 Series	30 mil	.5, .75, 1, 2	200	Excellent
GS 2600 Series	35 mil	.5, .75, 1, 2	200	Good
GS 2900 Series	50 mil	.5, .75, 1, 2	150	Good

All standard GS High-Strength Adhesive tapes are rubber-based and provided on a single 60# white SCK liner. A custom-ordered 2-mil polyester liner is available upon request.

>> **Product Performance**

The following results are typical for a 20-mil thick GS adhesive:

Quick Tack: 20+ lbs./sq. inch on stainless steel (MACtac CTM-25 test method)

Peel Adhesion: 20+ lbs./inch on stainless steel; 30-minute residence (Test Method PSTC-3)

Shear: 300+ hours to fail on stainless steel; 1000 g/sq. inch @ 72° F (Test Method PSTC-7)

Temperature Range Guidelines: Application – above 50° F (10° C) for best performance; End Use – 0° F to 180° F (-18° C to 82° C)

*For additional Performance Guides on our GS Series tapes, please visit www.MACtac.com.

>> Free Samples — (Yes, we really said free!)

If you're ready to get stuck on a great pressure sensitive adhesive that will provide you with solutions for countless bonding applications, reduced labor costs

and assembly time, give us a call now at 800.328.2619 for a free sample of our standard GS product.

>> MACtac Technical Core Products — PSA solutions for every application

MACtac engineers adhesive, carrier and liner combinations to match almost every substrate or condition you might encounter, from keeping a tight grip on low surface energy plastics to performance in extreme temperatures. If what you need isn't already part of our product offering, our technical assistance team may be able to customize a solution just for you. MACtac product groups include:

MACbond® double-coated film tapes – engineered for the most demanding bonding or laminating applications, these tapes feature general purpose and high-performance acrylic adhesives on polyester, polypropylene or the popular Blackbond™ or Clearbond™ carriers.

MACfilm® transfer films – free films engineered to assure smooth, low-profile bonding. These tapes are available with a wide variety of release liners, including a moisture-resistant, curl-resistant polycoated release liner for edge-to-edge bonding of laminated and die-cut parts.

MACmount® double-coated foam tapes – these closed-cell polyethylene foams offer versatility for mounting, bonding and laminating similar or dissimilar materials on irregular and uneven surfaces.

Contact your sales representative for more information on MACtac Technical's complete line of PSA solutions.



MACtac It. PSA Partnership Program

At MACtac, we take great pride in the excellence of our PSA products and the people who bring them to you. And, to ensure that your experience with MACtac is consistently excellent, 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** and **improve your productivity** and **profitability**.

The MACtac It. PSA Partnership Program provides access to a network of industry-leading pressure sensitive adhesive mounting and bonding converters. People, products and a portfolio of services that you can count on. Now, how can MACtac help you today?



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