

Removable Protective pads for safe transportation of glass and high-value surfaces

Avery Dennison Performance Tapes



Residue-free, removable PSA solutions for glazing, building materials, and other high-value surfaces.

Transporting flat and fragile materials such as insulated glass units (IGUs), windows or mirrors requires the use of protective interfaces between the surfaces. Protective pads are often applied directly to glass or window profiles to prevent scratching or breakage during handling, storage and transport.

As a long-standing supplier in the building and construction and glazing markets, Avery Dennison brings decades of adhesive expertise to this niche application. Our high-performance removable pressure-sensitive adhesives (PSAs) are used in many different logistic applications.

No adhesive residue. Easy removal.



The role of protective pads in glass logistics

During storage or transport, glass surfaces are stacked or packed tightly. Protective pads create critical spacing between units, protecting edges, corners and coatings. Typical materials are cork, foam and composite spacers, each requiring a tailored PSA layer.

Key performance expectations:

- Residue-free removal: the pad must peel cleanly without leaving adhesive, oily traces or ghost marks.
- Controlled adhesion: strong enough to stay in place, but optimized to avoid excessive peel force.
- Compatibility: works reliably on glass, coated profiles and other smooth or low-energy surfaces.
- Process efficiency: easy manual or automated application, fast release at destination.

Beyond glazing, similar protective needs exist across many sectors, including automotive glass, mirrors, polished metals, high-end furniture surfaces, cladding panels, photovoltaic sheets and other sensitive, high-value substrates.



Cork pads: need precise peel behavior

Cork spacers are typically removed by peeling. Adhesion to glass must be optimized so the pad does not “snap off,” but also does not resist removal.

Avery Dennison solutions (for example FT 310, FT 73310, FT 7327 and FT Y3102) are tuned specifically for this behavior:

- Perfect release level for cork applications
- Very low risk of ghost marking
- Stable performance across temperature and humidity exposures

Foam pads: require even lower tack

Foam pads are removed by “plugging” (pulling straight off the surface), not peeling. This requires:

- Even lower initial tack
- A higher release level that avoids lifting glass coatings
- Flexibility to support varying foam densities

To support this market, Avery Dennison is introducing a new solvent-free adhesive technology: FT 73312, optimized for foam protective pads. Designed for extremely easy removal while maintaining placement during transport.





Benefits of pressure-sensitive adhesives for protective pads

- Residue-free protection
Our removable adhesives prevent contamination, eliminating costly cleaning and reworking.
- Controlled and repeatable removal
Whether peeled (cork) or pulled (foam), pads detach cleanly, saving time at assembly or installation sites.
- Versatility across substrates
Suitable for glass, coated profiles, metals, plastics and other smooth or lightly textured surfaces.
- Stable under transport conditions
Maintains spacing and adhesion during vibration, temperature fluctuations and long-distance shipping.
- Supports automated or manual application. Compatible with pad applicator machinery.
Consistent liner release and adhesive performance simplify handling and improve process efficiency.
- Solvent-free options
FT 73312 reduces environmental impact while offering premium low-tack removable performance.

Avery Dennison product range for protective pads

Product	Type	Adhesive Technology	Key characteristics
FT 310 SA	Double coated	Acrylic / Rubber	Optimized peel; clean removal
FT 73310	Double coated	Acrylic / Acrylic	Optimized peel; clean removal
FT 7327	Double coated	Acrylic / Acrylic	Low tack; residue-free
FT Y3102	Double coated	Acrylic / Rubber	Excellent clarity and removal
FT 73312 (new)	Solvent-free, Double coated	Acrylic / Rubber	Ultra-low tack for “plug-off” removal

Our technical experts are here to show you how to work with your materials successfully during every phase of your application. You can count on us to approach any challenge with genuine curiosity and care.

Contact your Avery Dennison sales representative or visit tapes.averydennison.com

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