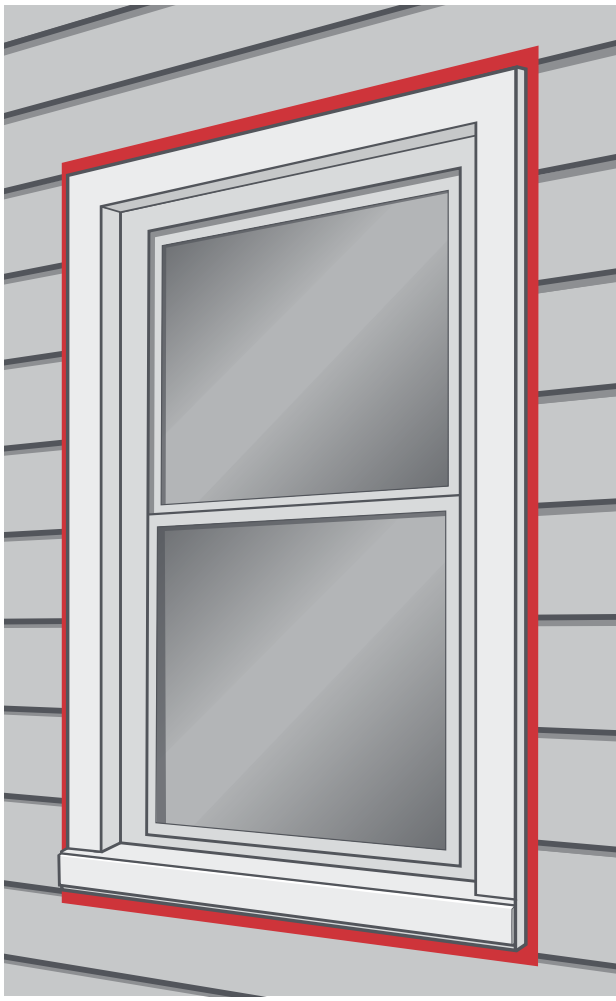
Flashing and Seaming | Building Envelope Solutions

Avery Dennison flashing and seaming solutions are an easy-to-use, durable and cost-effective alternative to traditional methods such as mechanical fasteners, liquid adhesives and sealants.

Our high-performance, pressure-sensitive adhesive (PSA) tape materials can be applied to secure the building envelope. It can also be used to create a waterproof barrier where wood, OSB, or insulation panels are joined together.

- Tapes work in conjunction with building envelope materials to prevent the infiltration and leakage of air and water, increasing building comfort and energy efficiency, and helping avoid damage.
- PSA tapes enable “peel and stick” functionality, allowing builders and contractors to get more done in less time, and with fewer employees. In addition, they are easy to reposition and conformable to complex geometries, making them a solution for areas where fitting of rigid materials is a challenge.
- Solutions are available featuring Avery Dennison Cold Tough™ acrylic adhesive. Tested for installation temperatures down to 0F (-18 Celsius) with a service temperature of -40F (-40 Celsius), Cold Tough offers superior durability in moist conditions and with substrates that tend to accumulate condensation.
- These tapes can be used in conjunction with traditional flashing materials to fill gaps or seams, repair damaged or deteriorated areas, or provide a temporary seal before a permanent solution is installed.



Applications

Wall Systems

- House wrap
- Exterior siding and cladding
- Window and door flashing
- Foundation wall flashing

Roofing Solutions

- Underlayment
- Flash and seal roof penetrations and roof-to-wall transitions
- Adhere and seal roof accessories such as vent pipes and edge metal
- Emergency and permanent repairs

Insulation and Air Seaming

- Rigid foam board insulation
- Duct seams

Why PSA tapes for building and construction?

The building and construction industry is facing some serious challenges. These include a shortage of available labor, an increase in housing demand, inflation, and the effect of climate change mitigation on building design.

These challenges are driving many in the industry to innovate. They're looking for faster, easier, more cost-effective and energy efficient solutions.

The Avery Dennison Building Envelope Portfolio, featuring a range of PSA tapes, directly addresses these needs. Recent years have seen PSA tapes be increasingly specified across a wide range of commercial and residential construction materials.

PSA tapes offer a compelling combination of benefits.

- **Speed —** Flashing tapes are faster and easier to install than traditional methods (no need to worry about adhesive mixing or curing time). This can help builders lower labor costs and complete projects more quickly — crucial in today's market.
- **Ease of Use —** PSA tapes offer "peel and stick" ease, meaning less skilled workers or even DIYers can confidently use these solutions.
- **Durability —** Modern PSA tapes are engineered to withstand harsh weather, including extreme temperatures, heavy rain, and humidity, making them a reliable solution for demanding applications.
- **Versatility —** PSA tapes can conform to complex shapes, and adhere to various surfaces (metal, wood, concrete, etc.)
- **Sustainability —** PSA tapes help create airtight and watertight seals in roofs, walls, windows, and other structures, making them more energy efficient. They also reduce landfill waste by eliminating the need for buckets and tubes that are disposed of after traditional liquid adhesive applications.
- **Cost-effectiveness —** In certain applications, tapes can be more cost-effective than traditional solutions due to lower material costs and reduced labor.

Flashing and Seaming Solutions

Application	Description	Product	Adhesive Technology	Construction	Thickness (mils)	Core Series™ Portfolio*
Flashing	High-performance Flashing (Windows & Doors, WRB, Roofing)	FT 0088	Cold Tough™ Acrylic	Single Coated Acrylic, PE facing	5 mil Poly + 5 mil Adhesive	
	General Flashing (WRB, Roofing)	FT 0087	Cold Tough™ Acrylic	Single Coated Acrylic, PE facing	5 mil Poly + 3 mil Adhesive	
Seaming	High-performance Seaming (WRB, Roofing, Continuous Insulation)	FT 4260	Cold Tough™ Acrylic	Single Coated PE facing	3 mil Poly + 3 mil Adhesive	
	PET GP Seaming Tape (WRB, Roofing)	FT 03201	General Purpose Acrylic	Single Coated Acrylic PET	1 mil PET + 1.3 mil Adhesive	
	Gap Fill (Roofing, Siding/OSB bonding)	FM 2316	Moisture Resistant Acrylic	Double Coated PE foam	2.3 mil Adhesive + 63 mil PE Foam + 2.3 mil Adhesive	*
Barrier	Foil for Barrier and insulation (Roofing, Foundation, Concrete)	FL 0833	Cold Tough™ Acrylic	Single Coated Acrylic foil	3 mil Aluminum Foil + 1.8 Adhesive	
Membrane	Adhesive solution For Roofing Membranes	FM 2416	Water-resistant Acrylic	Double Coated PE foam	2.4 mil Adhesive + 63 mil PE Foam + 2.4 mil Adhesive	
	Plasticizer-resistant adhesive solution for PVC Membranes	HPA 1905	High-performance Acrylic, Plasticizer Resistant	Transfer Tape	4.9 mil Adhesive	*

* The Core Series™ Portfolio is designed to make it easy for converters to quickly identify a product recommendation for their customers.

Go beyond bonding to develop solutions that address your needs

As a global leader in materials science, Avery Dennison goes beyond bonding to collaborate with you to develop solutions that address your unique needs. Our deep research and development expertise in material and adhesive science positions us uniquely to help you achieve the required performance and innovation you're seeking.

Collaboration

- Global footprint
- New product development for custom solutions for applications
- Business development and specification support for emerging applications
- Application engineering and technical support

Testing Capabilities

- ISO 17025-certified laboratory
- Traditional pressure-sensitive adhesive bulk property testing (peel, tack and shear)
- Environmental conditioning (temperature, humidity, UV, chemical and more)
- Flame performance and dielectric strength testing at the tape and composite level

For more information contact your Avery Dennison sales or business development representative, or visit tapes.averydennison.com/buildingandconstruction.

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