

Simpler, smarter, primerless bonding.



Benefits of using 3M™ Acrylic Foam Tapes in Primerless Trim Applications

This range of 3M™ Acrylic Foam Tapes helps eliminate the time, expense and added process steps associated with adhesion promoters. All tapes feature viscoelastic acrylic foam cores for excellent stress relaxation under high application loads and tight bond line aesthetics. Double-sided adhesives for medium surface energy (MSE) or low surface energy (LSE) substrates are formulated for robust performance even on complex contours and difficult automotive surfaces.

Primerless Adhesive

- Solutions for excellent primerless adhesion to both medium and low surface energy plastics
- Reduces the need for adhesion promoters or “primers” thereby lowering volatile organic compound (VOC) usage
- Simplifies production process and reduces the cost of labor and equipment associated with adhesion promoter usage as well as the cost of poor quality when primer is improperly applied
- Demonstrates high final adhesion and peel strength, as well as stable adhesive performance over a range of temperatures and environmental conditions

3M Acrylic Foam Tape and 3M Acrylic Plus Tape core technology

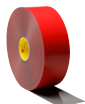
- Engineered for a wide variety of temperature and humidity conditions
- Viscoelastic material enables conformable bond between part and vehicle body
- Designed to meet and exceed application requirements
- Unique foam core provides stress relaxation when high application loads are encountered, while maintaining tight bond-line aesthetics under normal conditions

3M Attachment Tape technical expertise and capabilities

- Global network of technical experts with strong attachment tape knowledge and experience
- Industry expertise, testing capabilities and application knowledge to support customers globally
- Application development and design review

Product Offerings

3M™ Acrylic Foam Tape PX5000 Series



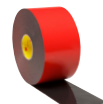
- Designed for Low Surface Energy (LSE) plastics
- TPO, PP/EPDM, Polypropylene
- Developed for high-temperature holding performance
- Overall highest performance

3M™ Acrylic Foam Tape PL Series



- Designed for Low Surface Energy (LSE) plastics
- Polypropylene
- Available in single-sided and double-sided options
- Robust adhesion and flexibility

3M™ Acrylic Plus Tape EX4500 Series



- Designed for Medium Surface Energy (MSE) plastics
- ABS, Acrylic, PC, ASA, PMMA
- Dark black edge
- Very high initial tack

Typical Applications

Please note: Work with your 3M application engineer to determine tape feasibility for your specific primerless application.



Body Side Molding



Wheel Arches, Door Cladding



Parking Sensors



Nameplates



Door Pillar

Product Construction and Properties

PX5000, PX5000DT and PX5000T Series - Double-sided primerless to LSE		
PRODUCT NUMBER	THICKNESS	CONSTRUCTION
PX5005, PX5005DT, PX5005T	0.45 mm	PX5000 Branded Liner ZX Adhesive Acrylic Foam ZX Adhesive
PX5008, PX5008DT, PX5008T	0.76 mm	PX5000DT Branded Liner ZX Adhesive Acrylic Foam ZX Adhesive
PX5011, PX5011DT, PX5011T	1.14 mm	PX5000T Liner ZX Adhesive Acrylic Foam ZX Adhesive Secondary Liner
PX5015, PX5015DT, PX5015T	1.52 mm	Liner ZX Adhesive Acrylic Foam ZX Adhesive Secondary Liner

Note: DT is a liner on Planetary Rolls, T Liner is a secondary liner on Levelwound Rolls

PL1000 Series - Single-sided primerless to LSE on liner side		
PL1008	0.8 mm	Release Liner Special Acrylic Adhesive
PL1012	1.2 mm	Gray Acrylic Foam Acrylic Adhesive
PL1300 Series - Single-sided primerless to LSE on non-liner side		
PL1308	0.8 mm	Release Liner Acrylic Adhesive
PL1312	1.2 mm	Gray Acrylic Foam Special Acrylic Adhesive
PL2100 Series - Double-sided primerless to LSE		
PL2108	0.8 mm	Red Liner Special Acrylic Adhesive
PL2112	1.2 mm	Acrylic Foam Special Acrylic Adhesive
EX4500 and EX4500T Series - Single-sided primerless to MSE on liner side		
EX4511, EX4511T	1.14 mm	EX4500 Branded Liner JLX-2 Adhesives Acrylic Foam JLX-1 Adhesives
EX4515, EX4515T	1.52 mm	EX4500T Branded Liner JLX-2 Adhesives Acrylic Foam JLX-1 Adhesives Secondary Liner

Note: DT is a liner on Planetary Rolls, T Liner is a secondary liner on Levelwound Rolls

Contact Information

The information provided in this technical document is intended as a guide for these products. For more information or help in selecting a 3M product for an application, please contact application engineering or call 1-800-328-1684.

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