

3M™ VHB™ Tapes

| Product | Tape Thickness w/o Liner mils (mm) | Liner Type | Description | Adhesive Type | Temp. Resistance | | Solvent Resistance | Relative Adhesion | | Application Ideas |
|-------------------------|------------------------------------|------------|--|-----------------------|-------------------------|---------------|--------------------|-------------------|-----|--|
| | | | | | Min Hr | Days Weeks | | HSE | LSE | |
| 4941 Tape Family | | | | | | | | | | |
| 4926 | 15 (0.4) | A | Gray, closed-cell acrylic foam carrier. Conformable. Good adhesion to many painted metals. Plasticizer resistant. UL 746C. | Multi-purpose Acrylic | 300°F (149°C) | 200°F (93°C) | High | High | Med | Bond and seal polycarbonate lens over LCD. Bond and seal plastic windows to pre-painted control panels/switch gear. Mount vinyl wiring ducts and conduit channels. Seam vinyl banners. |
| 4936 | 25 (0.64) | A | | | | | | | | |
| 4936F | 25 (0.64) | F | | | | | | | | |
| 4941 | 45 (1.1) | A | | | | | | | | |
| 4941F | 45 (1.1) | D | | | | | | | | |
| 4956 | 62 (1.6) | A | | | | | | | | |
| 4956F | 62 (1.6) | F | | | | | | | | |
| 4991 | 90 (2.3) | F | | | | | | | | |
| 4991B | 90 (2.3) | F | | | Black version of 4991. | | | | | |
| 4919F | 25 (0.64) | F | | | Black version of 4936F. | | | | | |
| 4947F | 45 (1.1) | F | Black version of 4941F. | | | | | | | |
| 4979F | 62 (1.6) | F | Black version of 4956F. | | | | | | | |
| 5952 Tape Family | | | | | | | | | | |
| 5906 | 6 (0.15) | G | Black, closed-cell acrylic foam carrier. Good adhesion to many painted surfaces, including powder coated paint. | Modified Acrylic | 300°F (149°C) | 250°F (121°C) | High | High | Med | Bond and seal polycarbonate lens over LCD. Lens and touch panel bonding. Logo attachment. P.O.P. and display construction. |
| 5907 | 8 (0.2) | G | | | | | | | | |
| 5908 | 10 (0.25) | G | | | | | | | | |
| 5909 | 12 (0.3) | G | | | | | | | | |
| 5915 | 16 (0.4) | F | | | | | | | | |
| 5915P | 16 (0.4) | E | | | | | | | | |
| 5915WF | 16 (0.4) | F | | | | | | | | |
| 5925 | 25 (0.6) | F | | | | | | | | |
| 5925P | 25 (0.6) | E | | | | | | | | |
| 5925WF | 25 (0.6) | F | | | | | | | | |
| 5930 | 32 (0.8) | F | | | | | | | | |
| 5930P | 32 (0.8) | E | | | | | | | | |
| 5930WF | 32 (0.8) | F | | | | | | | | |
| 5952 | 45 (1.1) | F | | | | | | | | |
| 5952P | 45 (1.1) | E | | | | | | | | |
| 5952WF | 45 (1.1) | F | | | | | | | | |
| 5962 | 62 (1.6) | F | | | | | | | | |
| 5962P | 62 (1.6) | E | | | | | | | | |
| 5962WF | 62 (1.6) | F | | | | | | | | |
| 5958FR | 40 (1) | F | Meets FAR 25.853 (a) 12 sec vertical burn Appendix F, Part 1 (a) (ii) | | | | | | | |
| RP Tape Family | | | | | | | | | | |
| RP16 | 16 (0.4) | A | Gray, closed-cell acrylic foam carrier. Conformable. Good adhesion to many painted metals. | Multi-purpose Acrylic | 250°F (121°C) | 200°F (93°C) | High | High | Med | Panel bonding, stiffener attachment and trim attachment. |
| RP16F | 16 (0.4) | F | | | | | | | | |
| RP25 | 25 (0.6) | A | | | | | | | | |
| RP25F | 25 (0.6) | F | | | | | | | | |
| RP32 | 32 (0.8) | A | | | | | | | | |
| RP32F | 32 (0.8) | F | | | | | | | | |
| RP45 | 45 (1.1) | A | | | | | | | | |
| RP45F | 45 (1.1) | F | | | | | | | | |
| RP62 | 62 (1.6) | A | | | | | | | | |
| RP62F | 62 (1.6) | F | | | | | | | | |

Liner Types:

- A – 3 mil 54# Densified Kraft Paper
- B – 5 mil Clear Polyethylene Film
- C – 2 mil Polyester Film
- D – 5 mil Red Polyethylene Film
- E – 4 mil 58# Polycoated Kraft Paper
- F – 5 mil Red Printed Polyethylene Film
- G – 3 mil Clear Polyethylene Film
- H – 5 mil Green PE Film

Relative Adhesion:

- HSE – High Surface Energy
- LSE – Low Surface Energy

Multi-purpose Acrylic: Bonds to a wide range of materials including metals, glass, and high and medium surface energy plastics and paints. Resists migration of plasticizers in vinyl substrates.

Modified Acrylic: Bonds to medium low surface energy paints and plastics, including many powder coated paints in addition to the substrates listed with the multi-purpose acrylic adhesive (except plasticized vinyl).

General Purpose Acrylic: Bonds to most higher surface energy substrates including metal, glass and high surface energy plastics.

Low Temperature Acrylic: Bonds down to 32°F (0°C) compared to 50°F (10°C) for most acrylic adhesives. Bonds most high surface energy substrates including metal, glass and high surface energy plastics.

Low Surface Energy: High performance synthetic adhesive bonds to many lower surface energy substrates, including many plastics and powder coated paints, plus smooth general purpose substrates.

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.

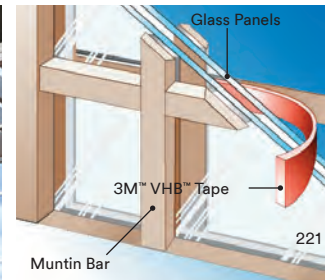
3M™ VHB™ Tape for Windows and Doors



Attach Wood, Vinyl, Composite or Painted Metal Muntin Bars to Windows

These high strength tapes conform to glass with good wet-out and resistance to UV light, thermal expansion and contraction, solvents and cleaners. Tapes below are available only for approved window and door customers. Pre-approved applications may be eligible for a 10-year warranty.

See 3M™ Primers on page 79.



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|---------|------------------------------------|------------|---|------------------------|------------------|--------------|--------------------|-------------------|-----|
| | | | | | Min Hr | Days Weeks | | HSE | LSE |
| G45P | 45 (1.1) | A | Gray, closed-cell acrylic foam carrier. Conformable. | Multi-purpose Adhesive | 300°F (149°C) | 200°F (93°C) | High | High | Med |
| G45F | | D | Gray, closed-cell acrylic foam carrier. Conformable. | | | | | | |
| B45F | | F | Black, closed-cell acrylic foam carrier. Conformable. | | | | | | |

See key on page 74.

3M™ VHB™ Tape for Sign and Display

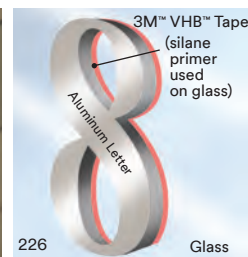
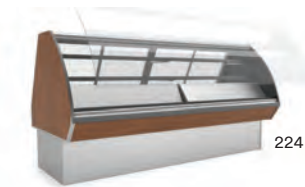
Reliable and Immediate Bonding

For indoor and outdoor signage, 3M™ VHB™ Tapes hold immediately without the work of screws and the mess and curing time of liquid adhesives.

- Bond metals, plastics, glass, foam board and more
- Invisible fastening for smooth, attractive surfaces



3M™ VHB™ Tape provides durable bonding in outdoor applications.



Clear 3M™ VHB™ Tape permanently bonds aluminum letters to glass and appears almost invisible from behind the pane.

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|-----------|------------------------------------|------------|---|-----------------------|------------------|---------------|--------------------|-------------------|------|--|
| | | | | | Min Hr | Days Weeks | | HSE | LSE | |
| 5952 | 45 (1.1) | F | Black or white, closed-cell acrylic foam carrier. Good adhesion to many painted surfaces, including powder coated paint. UL 746C. | Modified Acrylic | 300°F (149°C) | 250°F (121°C) | High | High | Med | Bond and seal metal and plastic through a sign. |
| 5952WF | 45 (1.1) | F | Specifically for LSE substrates such as polypropylene (PP), thermoplastic elastomers (TPE) and thermoplastic olefins (TPO). | LSE Acrylic | 300°F (150°C) | 200°F (93°C) | High | High | High | Outdoor use. Seals against environmental conditions. |
| 5962 | 62 (1.6) | F | | | | | | | | |
| LSE-060WF | 25 (0.6) | F | | | | | | | | |
| LSE-110WF | 45 (1.10) | F | | | | | | | | |
| LSE-160WF | 62 (1.6) | F | | | | | | | | |
| 4910 | 40 (1) | F | Clear, acrylic construction for joining transparent material. | General Purpose | 300°F (149°C) | 200°F (93°C) | High | High | Low | Bond unpainted metal. |
| 4941 | 45 (1.1) | A | Gray, closed-cell acrylic foam carrier. Good adhesion to many painted metals. Plasticizer resistant. UL 746C. | Multi-purpose Acrylic | 300°F (149°C) | 200°F (93°C) | High | High | Med | Bond flexible vinyl banners. |
| 4956 | 62 (1.6) | A | | | | | | | | |

See key on page 74.

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.