A note about Energy Efficiency and UL...

Leaky ducts can account for up to 30% of heating and cooling costs. In fact, duct leakage of only 20% of air flow can reduce a systems’ efficiency by up to 50%! Ensuring energy efficiency doesn’t have to be difficult, time consuming, or expensive. Simply using a UL 181 listed tape to seal critical areas can save time, energy, and money! In fact, National energy and building standards actually mandate that tapes used to seal ducts be “listed and labelled” in accordance with UL 181.

Know The Codes

UL 181A Code References

Tapes and mastics used to seal fibrous glass ductwork shall be listed and labeled in accordance with UL 181A and shall be marked “181A-P” for pressure-sensitive tape, “181A-M” for mastic or “181A-H” for heat-sensitive tape. 2015 International Mechanical Code (Section 603.9)

For Factory Made Rigid Ducts or Air Connectors
UL 181A - 3rd Edition (Section 1.1)

Must use an aluminum tape with a minimum width of 2.5".
UL 181A - 3rd Edition (Section 6.1)

Tape must be marked with Manufacturer’s Name and Model.
UL 181A - 3rd Edition (Section 15.1)

Tape must be marked with "181A-P".
UL 181A - 3rd Edition (Section 15.1)

Tape must be marked with UL certification mark.
UL 181A - 3rd Edition (Section 15.1)

UL 181A-P Tapes
Nashua 324A Cold Weather

UL 181B Code References

Tapes and mastics used to seal metallic and flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked “181B-FX” for pressure-sensitive tape or “181B-M” for mastic. 2015 International Mechanical Code (Section 603.9)

For Factory Made Flexible Air Connectors
UL 181B - 2nd Edition (Section 1.1)

Tapes must have a minimum width of 1 7/8".
UL 181B - 2nd Edition (Section 7.1)

Tape must be marked with Manufacturer’s Name and Model.
UL 181B - 2nd Edition (Section 14.1)

Tape must be marked with “181B-FX”.
UL 181B - 2nd Edition (Section 14.1)

Tape must be marked with UL certification mark.
UL 181B - 2nd Edition (Section 14.1)

UL 181B-FX Tapes
Nashua 324A Cold Weather
Nashua 557
Nashua 558CA
Nashua 367-17 FoilMastic™
Berry Plastics 555 FlexFix™

RIGID SHEET METAL DUCTS - Currently, there is no UL requirement for use of tape on rigid sheet metal ducts. Both plain or UL marked foil tapes are acceptable. The following Nashua tapes have a proven track record of providing air-tight seals: 324A, 330X, 322, 327 and 367-17. Nashua 367-17 has been independently verified by the SMACNA Testing and Research Institute for performance on rigid sheet metal ducts up to 10in w.g. pressure class.
UL Listed Tapes

324A
Premium Cold Weather
UL Foil Tape
UL 181A-P & 181B-FX Listed

| Backing: 2.1 mil Printed Aluminum Foil |
| Adhesive: High Performance Acrylic
| Outstanding performance in both cold and hot weather. Excellent conformity.
| Instant adhesion and superior quick stick. Mold resistant. Low VOC. |


| Thickness: 4.9 mils (0.124 mm) |
| Adhesion to Steel: 68 oz/in (7.44 N/cm) |
| Tensile: 25 lb/in (43.78 N/cm) |
| Operating Temperature: 20 - 325 °F |
| Standard Sizes: 2.5in, 72mm x 55M |

557
Premium PE-Cloth Duct Tape
UL 181B-FX Listed

| Backing: Printed PE-Coated Cloth |
| Adhesive: Rubber
| High adhesion and tensile strength. Crisp, straight tear. Resists twisting and curling. Mold resistant. Low VOC. |

| Uses: Premium performance duct tape designed to seal, seam, and join Class 1 flexible duct. UL 181B-FX Listed. |

| Thickness: 14 mils (0.356 mm) |
| Adhesion to Steel: 45 oz/in (4.93 N/cm) |
| Tensile: 29 lb/in (50.79 N/cm) |
| Operating Temperature: 40 - 200 °F |
| Colors: Black, Silver, Metallic |
| Standard Sizes: 48mm, 2.5in, 72mm x 55M |

558CA
Premium PE-Cloth Duct Tape
UL 181B-FX Listed, CEC Approved

| Backing: Printed PE-Coated Cloth |
| Adhesive: Rubber
| High adhesion and tensile strength. Crisp, straight tear. Resists twisting and curling. Specially designed adhesive forms stronger bond to duct surfaces over time. Mold resistant. Low VOC. |


| Thickness: 14 mils (0.356 mm) |
| Adhesion to Steel: 40 oz/in (4.38 N/cm) |
| Tensile: 50 lb/in (87.56 N/cm) |
| Operating Temperature: 40 - 200 °F |
| Colors: Metallic |
| Standard Sizes: 48mm x 55M |

555 FlexFix™
Film Sealing Tape
UL 181B-FX Listed

| Backing: Printed OPP Film |
| Adhesive: Acrylic
| Solvent-free, low odor adhesive. Mold resistant. Low VOC. |

| Uses: Seals Class 1 flexible ducts and connectors. Adheres well to foam pipe, reflective, and bubble insulation materials. UL 181B-FX Listed. |

| Thickness: 3.1 mils (0.79 mm) |
| Adhesion to Steel: 45 oz/in (4.92 N/cm) |
| Tensile: 34 lb/in (59.54 N/cm) |
| Operating Temperature: -10 - 250 °F |
| Colors: Black, Metallic (Red Print) |
| Standard Sizes: 48mm x 110M, 72mm x 110M |
**Plain Foil Tapes**

**322 Multi-Purpose**
- **Backing:** 2 mil Aluminum Foil
- **Adhesive:** Synthetic Rubber
- Exceptional quick-stick and adhesion. Thick, conformable foil backing. Low odor adhesive. Easy to use and install. Low VOC.
- **Uses:** Seal duct work for heating, air conditioning, and refrigeration systems. Insulation seaming and patching. UL 723 Classified.
- **Thickness:** 5 mils (0.127 mm)
- **Adhesion to Steel:** 130 oz/in (14.23 N/cm)
- **Tensile:** 15 lb/in (26.27 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Standard Sizes:** 48mm, 72mm x 46M

**330X Cold Weather**
- **Backing:** 1.75 mil Aluminum Foil
- **Adhesive:** High Performance Acrylic
- **Uses:** Seal duct work for heating, air conditioning, and refrigeration systems. Insulation seaming and patching. Specifically designed for extreme cold temperature applications. UL 723 Classified.
- **Thickness:** 3.5 mils (0.089 mm)
- **Adhesion to Steel:** 55 oz/in (6.02 N/cm)
- **Tensile:** 14 lb/in (24.52 N/cm)
- **Operating Temperature:** 35 - 260 °F
- **Standard Sizes:** 48mm, 72mm x 46M

**230X Utility Cold Weather**
- **Backing:** 1.5 mil Aluminum Foil
- **Adhesive:** High Performance Acrylic
- **Uses:** Seal duct work for heating, air conditioning, and refrigeration systems. Insulation seaming and patching. Specifically designed for extreme cold temperature applications.
- **Thickness:** 3.0 mils (0.076 mm)
- **Adhesion to Steel:** 45 oz/in (6.02 N/cm)
- **Tensile:** 11 lb/in (19.26 N/cm)
- **Operating Temperature:** 35 - 260 °F
- **Standard Sizes:** 48mm, 72mm x 46M

**314CRT Cooler Repair Tape**
- **Backing:** Embossed Foil Laminate
- **Adhesive:** High Performance Acrylic
- Exceptional cold temperature performance. Moisture and mold resistant. Zero permeability. Tear and puncture resistant. Tested in accordance with UL 723. Low VOC.
- **Uses:** Seals seams, corners, and cracks against air leakage in refrigerated units and walk-in coolers. Insulation seaming and patching.
- **Thickness:** 10.2 mils (0.259 mm)
- **Adhesion to Steel:** 100 oz/in (10.94 N/cm)
- **Tensile:** 70 lb/in (122.59 N/cm)
- **Operating Temperature:** 30 - 270 °F
- **Standard Sizes:** 4in x 15Yd
- **Colors:** White, Aluminum

**Mastic Tapes**

**327 Butyl Sealing Tape**
- **Backing:** 2 mil Printed Aluminum Foil
- **Adhesive:** Butyl Rubber
- Forms instant, permanent water-tight bond. Excellent resistance to low temperatures, water, and sunlight. Extremely conformable. Low VOC.
- **Uses:** Indoor or outdoor sealing of rigid sheet metal HVAC duct systems. Seal cracks and seams in gutters, trailers, shipping containers, and other metal buildings and structures.
- **Thickness:** 17 mils (0.432 mm)
- **Adhesion to Steel:** 200 oz/in (21.88 N/cm)
- **Tensile:** 16 lb/in (28.02 N/cm)
- **Operating Temperature:** 20 - 200 °F
- **Standard Sizes:** 2in, 3in x 100Ft
## HVAC TAPES

### Insulation & Line Set Tapes

**FSK**  
**Foil-Scrim-Kraft**  
*Backings: Foil/Scrim/Kraft  
*Adhesives: Synthetic Rubber  
*Excellent adhesion to substrates. Low odor adhesive. Diamond pattern matches most FSK boards and blankets. Tear resistant. Mold resistant. Tested in accordance with UL 723. Low VOC.  
*Uses: Seal and patch FSK duct boards and blankets to provide extra strength and maintain vapor barrier integrity.  
*Thickness: 8 mils (0.203 mm)  
*Adhesion to Steel: 70 oz/in (7.66 N/cm)  
*Tensile: 30 lb/in (52.54 N/cm)  
*Operating Temperature: -35 to 260 °F  
*Standard Sizes: 48mm, 72mm x 46M

**ASJ**  
**All-Service Jacketing**  
*Backings: Bleached Kraft/Scrim/Foil  
*Adhesives: All-weather Acrylic  
*Excellent adhesion to substrates. Low odor adhesive. Diamond pattern matches most ASJ boards and blankets. Tear resistant. Mold resistant. Tested in accordance with UL 723. Low VOC.  
*Uses: Seal and patch ASJ duct boards and blankets to provide extra strength and maintain vapor barrier integrity.  
*Thickness: 8.8 mils (0.224 mm)  
*Adhesion to Steel: 50 oz/in (5.47 N/cm)  
*Tensile: 45 lb/in (78.81 N/cm)  
*Operating Temperature: -35 to 260 °F  
*Standard Sizes: 72mm x 46M

**438**  
**Cold Weather FSK**  
*Backings: Foil/Scrim/Kraft  
*Adhesives: High Performance Acrylic  
*Exceptional performance in extremely cold and extremely hot environments. Low odor adhesive. Tear resistant. Mold resistant. Low VOC.  
*Uses: Seal and patch FSK duct boards and blankets to provide extra strength and maintain vapor barrier integrity. Specifically designed for extreme cold temperature conditions. UL 723 Classified.  
*Thickness: 6.0 mils (0.152 mm)  
*Adhesion to Steel: 75 oz/in (8.21 N/cm)  
*Tensile: 30 lb/in (52.54 N/cm)  
*Operating Temperature: 35 to 260 °F  
*Standard Sizes: 48mm, 72mm x 46M

**822**  
**PVC Jacketing Tape**  
*Backings: Embossed Vinyl  
*Adhesives: High Performance Acrylic  
*Strong and conformable. Plasticizer resistant. Excellent adhesion.  
*Uses: Seaming vinyl-faced fiberglass insulation and water heater insulation.  
*Thickness: 4.6 mils (0.117 mm)  
*Adhesion to Steel: 35 oz/in (3.83 N/cm)  
*Tensile: 7 lb/in (2.26 N/cm)  
*Operating Temperature: 40 to 225 °F  
*Standard Sizes: 3in x 50Yd

**444**  
**Line Set Tape**  
*Backings: OPP Film  
*Adhesives: Acrylic  
*UV resistant. Excellent tensile and shear properties. High adhesion. Resists lifting and flagging. Mold resistant. Low VOC.  
*Uses: Designed specifically for wrapping and protecting outdoor line sets for heating, ventilation, and cooling systems.  
*Thickness: 3.0 mils (0.076 mm)  
*Adhesion to Steel: 45 oz/in (4.92 N/cm)  
*Tensile: 32 lb/in (56.04 N/cm)  
*Operating Temperature: 0 to 210 °F  
*Colors: Black (Printed or Unprinted)  
*Standard Sizes: 48mm x 55M
**Cloth Tapes**

**308**
- **8 mil Utility**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Bundling, packaging, seaming, and general repairs. Plumbing uses.
- **Thickness:** 8.0 mils (0.203 mm)
- **Adhesion to Steel:** 55 oz/in (6.02 N/cm)
- **Tensile:** 22 lb/in (38.53 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Silver, Black

**300**
- **10 mil Multi-Purpose**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Leading multi-purpose duct tape. Thick adhesive provides strong bond for general bundling and repair.
- **Thickness:** 10 mils (0.254 mm)
- **Adhesion to Steel:** 75 oz/in (8.21 N/cm)
- **Tensile:** 24 lb/in (42.03 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Silver, Black

**398**
- **11 mil Professional**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Aggressive adhesive and durable backing provides long-term, heavy-duty sealing and seaming for HVAC applications. Color coding.
- **Thickness:** 11 mils (0.279 mm)
- **Adhesion to Steel:** 80 oz/in (8.75 N/cm)
- **Tensile:** 26 lb/in (45.53 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Sil, Blk, Wht, Grn, Bur, OD, Red, Yel, Prt Sil

**354**
- **13 mil Premium**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Heating, air conditioning, ventilating, and refrigeration applications. Sealing of seams and joints in metal air handling systems. Manufacture of flexible duct equipped with metal collars.
- **Thickness:** 13 mils (0.330 mm)
- **Adhesion to Steel:** 50 oz/in (5.47 N/cm)
- **Tensile:** 29 lb/in (50.79 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Silver, Black

**2280**
- **9 mil Multi-Purpose**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Bundling, packaging, seaming, and general repairs. Plumbing and maintenance. Color coding.
- **Thickness:** 9 mils (0.229 mm)
- **Adhesion to Steel:** 70 oz/in (7.66 N/cm)
- **Tensile:** 24 lb/in (42.03 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Sil, Blk, Red, Blu, Wht, Grrn, Yel

**345**
- **12 mil Professional**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** Premium waterproof, professional grade duct tape designed for sealing, repairing, and patching in HVAC applications.
- **Thickness:** 12 mils (0.305 mm)
- **Adhesion to Steel:** 70 oz/in (7.66 N/cm)
- **Tensile:** 24 lb/in (42.03 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Silver

**357**
- **13 mil Premium**
- **Backing:** PE-Coated Cloth
- **Adhesive:** Rubber
- **Uses:** The industry standard. Waterproof premium duct tape used for sealing HVAC systems and making general repairs that require strong, lasting hold.
- **Thickness:** 13 mils (0.330 mm)
- **Adhesion to Steel:** 95 oz/in (10.39 N/cm)
- **Tensile:** 50 lb/in (87.56 N/cm)
- **Operating Temperature:** 40 - 200 °F
- **Colors:** Sil, Blk, Red, OD, Wht, Prt Sil
### Cloth Tapes (Cont.)

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Backing</th>
<th>Adhesive</th>
<th>Uses</th>
<th>Thickness</th>
<th>Adhesion to Steel</th>
<th>Tensile</th>
<th>Operating Temperature</th>
<th>Colors</th>
<th>Standard Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>365</td>
<td>11 mil</td>
<td>Matte-Finish Coated Cloth</td>
<td>Rubber</td>
<td>Moisture-resistant, matte finish</td>
<td>11.5 mils</td>
<td>70 oz/in (7.66 N/cm)</td>
<td>24 lb/in</td>
<td>40 - 200 °F</td>
<td>Black</td>
<td>48mm x 50M</td>
</tr>
<tr>
<td>510</td>
<td>Premium</td>
<td>Metallic Coated Cloth</td>
<td>Rubber</td>
<td>Indoor or outdoor wire hold down</td>
<td>11.5 mils</td>
<td>50 oz/in (5.47 N/cm)</td>
<td>42 lb/in</td>
<td>40 - 200 °F</td>
<td>Black</td>
<td>48mm x 50M</td>
</tr>
</tbody>
</table>

### Adhesives and Sealants

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Adhesive</th>
<th>Uses</th>
<th>Thickness</th>
<th>Adhesion to Steel</th>
<th>Tensile</th>
<th>Operating Temperature</th>
<th>Colors</th>
<th>Standard Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>398</td>
<td>Multi-Purpose Spray Adhesive</td>
<td>Rubber-Based Aerosol</td>
<td>Permanent or temporary bonds for</td>
<td>11 mils</td>
<td>70 oz/in (7.66 N/cm)</td>
<td>24 lb/in</td>
<td>40 - 200 °F</td>
<td>Black</td>
<td>48mm x 50M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>357</td>
<td>Premium Spray Adhesive</td>
<td>Rubber-Based Aerosol</td>
<td>Ideal for securing insulation materials for rigid duct installation. Temporary and permanent bonding. Bonds foils and metals to fibrous and paper insulation, fabrics, leather, rubber, and wood to various other substrates. Prime surfaces for flashing tape or pipe wrap installation.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1027</td>
<td>Brush-On Primer</td>
<td>Butyl-Based Brush-On</td>
<td>Easy to apply. Dries to a uniform, slightly tacky surface. Ensures permanent bond of coating systems. Conforms to local and national standards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Primer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Prime surfaces for flashing tape installation particularly for OSB, brick, gypsum board, or concrete. Also recommended to prime rough, reconditioned, or grit-blasted pipe surfaces prior to tape wrapping in corrosion protection applications.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Additional Information

- Backing: Metallized Coated Cloth
- Adhesive: Rubber
- Moisture-resistant, matte finish coating. Aggressive adhesion to rough surfaces. Resists twisting and curling. Low VOC.
- Uses: Duct and joint sealing. Used for sealing where metallic finish is desired.

- Thickness: 11 mils (0.279 mm)
- Adhesion to Steel: 70 oz/in (7.66 N/cm)
- Tensile: 24 lb/in (42.03 N/cm)
- Operating Temperature: 40 - 200 °F
- Colors: Metallic

- Backing: Matte-Finish Coated Cloth
- Adhesive: Rubber
- Moisture-resistant, matte finish backing. Provides clean removal from a variety of surfaces. Clean, crisp, straight tear. Abrasion resistant. Low VOC.
- Uses: Indoor or outdoor wire hold down and bundling, color coding, or general repairs.

- Thickness: 11.5 mils (0.292 mm)
- Adhesion to Steel: 50 oz/in (5.47 N/cm)
- Tensile: 42 lb/in (73.55 N/cm)
- Operating Temperature: 40 - 200 °F
- Colors: Black

- Standard Sizes: 48mm x 50M
Plumbing and Electrical Tapes

711 Utility Pipe Wrap Tape

**Back**ing: PVC Film
**Adhesive:** Rubber
Tough and conformable. Excellent bond to most surfaces. Excellent moisture and solvent resistance. Moderate UV resistance.

**Uses:** Utility wrapping of above and underground pipes. Industrial assembly. Use with Polyken Brush-On Primers. **Meets UPC, ANSI, and IAPMO standards.**

**Thickness:** 10 mils (0.254 mm)
**Adhesion to Steel:** 15 oz/in (1.64 N/cm)
**Tensile:** 20 lb/in (35.03 N/cm)
**Operating Temperature:** 0 - 200 °F
**Colors:** Printed Black
**Standard Sizes:** 48mm x 30M

826 Premium Pipe Wrap Tape

**Back**ing: Polyethylene
**Adhesive:** Butyl Rubber
Excellent conformability. Aggressive permanent adhesive performs over a wide temperature range. Moisture resistant.

**Uses:** Interior, exterior and in-ground corrosion protection of small diameter pipe. Use with Polyken brush-on primers.

**Thickness:** 12 mils (0.305 mm)
**Adhesion to Steel:** 40 oz/in (4.38 N/cm)
**Tensile:** 25 lb/in (43.78 N/cm)
**Operating Temperature:** 30 - 140 °F
**Colors:** Black, Yellow
**Standard Sizes:** 2in, 4in, 6in x 100Ft

777/B17 PVC Electrical Tape

**Back**ing: PVC
**Adhesive:** Rubber
All purpose electrical tape suitable for a wide range of applications.

**Uses:** Wrapping and splicing applications for electrical wires. **UL 510 Classified.**

**Thickness:** 7 mils (0.508 mm)
**Adhesion to Steel:** 20 oz/in (2.2 N/cm)
**Tensile:** 18 lb/in (31.53 N/cm)
**Elongation:** 300%
**Dielectric Strength:** 600V (Blk), 9500V(Colors)
**Operating Temperature:** 40 - 180 °F
**Colors:** Black (777); Red, Wht, Blu, Grn, Vio (B17)
**Standard Sizes:** 3/4in x 60Ft, 3/4in x 66Ft

823 Premium PE Electrical Tape

**Back**ing: Polyethylene
**Adhesive:** Rubber
Superior extreme weather performance including sub-zero conditions. Provides maximum electrical insulation properties (11500V). Solvent and moisture resistant.

**Uses:** Electrical and maintenance applications where PVC materials are not permitted. Wrapping and waterproofing wire harnesses. **UL 510 Classified.**

**Thickness:** 9.5 mils (0.241 mm)
**Adhesion to Steel:** 31 oz/in (3.39 N/cm)
**Tensile:** 17 lb/in (29.77 N/cm)
**Operating Temperature:** 40 - 180 °F
**Colors:** Black
**Standard Sizes:** 1in x 36Yd

711 Utility Pipe Wrap Tape

**Self-Fusing Silicone Tape**

High temperature resistance. Bonds well even in wet conditions. Excellent abrasion resistance and dielectric strength. Leaves no residue.

**Uses:** Wrapping applications including electrical, light-duty pipe wrapping, bundling, clamping, and waterproofing. **Meets A-A-59163 Type I and II; UL 510 Classified.**

**Thickness:** 20 mils (0.508 mm)
**Tensile:** 800 psi
**Elongation:** 300%
**Dielectric Strength:** 8000V
**Operating Temperature:** 65 - 500 °F
**Colors:** Black, Clear, Red, Blue, Clear
**Standard Sizes:** 1in x 10Ft

509W/510W/513W PTFE Threadseal Tape

Non-Adhesive PTFE Film

High temperature resistance. Easy to use. Domestic and Imported options available.

**Uses:** Self-lubricates joints and pipe ends making them easy to assemble and disassemble for a leak-proof seal. **Meets Military Spec A-A 58092.**

**Thickness:** 3.5 mils (0.089 mm)
**Pressure Rating:** <10,000 psi
**Operating Temperature:** 450 - 500 °F
**Colors:** White
**Standard Sizes:** 1/2in, 3/4in x 260in; 1/2in, 3/4in x 520in
HVAC TAPES

Flash & Seam Tape

626-20
Foilastic™
Window & Door Flashing

- Backing: Printed 2 mil Aluminum Foil
- Adhesive: Butyl Rubber with Paper Liner
- Withstands outdoor UV exposure indefinitely. Pliable in high and low temperatures. Compatible with most caulking and sealants. Low VOC.

Uses: Permanent bond for window and door installations, cornerboard abutments, sidewall sheathing seams, deck-to-wall joints, and other exterior areas to prevent water infiltration. Meets AAMA 711-07.

- Thickness: 20 mils (0.508 mm)
- Adhesion (Plywood)*: 96 oz/in (10.50 N/cm)
- Tensile (MD): 800 psi (5512 kN/sm)
- Operating Temperature: -30 - 200 °F
- Standard Sizes: 4in, 6in x 100Ft

626-35
Foilastic™
Roof Flashing

- Backing: 2 mil Aluminum Foil
- Adhesive: Butyl Rubber with PE Liner
- Withstands outdoor UV exposure indefinitely. Pliable in high and low temperatures. Compatible with most caulking and sealants. Low VOC.

Uses: Permanent bond for roof ridge and hiplines, window and door installations, skylight and dormer installations, and other exterior areas to prevent water infiltration. Meets AAMA 711-07.

- Thickness: 35 mils (0.889 mm)
- Adhesion (Plywood)*: 251 oz/in (27.46 N/cm)
- Tensile (MD): 445 psi (3066 kN/sm)
- Operating Temperature: -30 - 200 °F
- Standard Sizes: 48mm x 15m, 4in, 6in, 9in x 50Ft

627-20
Shadowlastic™
Plus
Window & Door Flashing

- Backing: Printed Woven Polyolefin
- Adhesive: Butyl Rubber with Paper Liner
- Withstands outdoor UV exposure for up to 3 years. Pliable in high and low temperatures. Compatible with most caulking and sealants. Low VOC.

Uses: Permanent bond for window and door installations, cornerboard abutments, sidewall sheathing seams, deck-to-wall joints, and other exterior areas to prevent water infiltration. Meets AAMA 711-07.

- Thickness: 20 mils (0.508 mm)
- Adhesion (Plywood)*: 63 oz/in (6.89 N/cm)
- Tensile (MD): 59 lb/in (103.33 N/cm)
- Operating Temperature: 30 - 200 °F
- Standard Sizes: 4in, 6in, 9in x 100Ft

627-35
Shadowlastic™
Plus
Roof Flashing

- Backing: Printed Woven Polyolefin
- Adhesive: Butyl Rubber with Paper Liner
- Withstands outdoor UV exposure for up to 3 years. Pliable in high and low temperatures. Compatible with most caulking and sealants. Low VOC.

Uses: Permanent bond for roof ridge and hiplines, window and door installations, skylight and dormer installations, and other exterior areas to prevent water infiltration. Meets AAMA 711-07.

- Thickness: 35 mils (0.889 mm)
- Adhesion (Plywood)*: 251 oz/in (27.46 N/cm)
- Tensile (MD): 59 lb/in (103.33 N/cm)
- Operating Temperature: 30 - 200 °F
- Standard Sizes: 4in, 6in and 9in x 50Ft

628
Seam & Seal™
Housewrap Tape

- Backing: Printed OPP Film
- Adhesive: Acrylic
- UV resistant. Tough and durable. Excellent bond to housewrap and sheathing materials. Won’t flag or lift. Resists mold and moisture. Low VOC.

Uses: Seaming joints and patching tears on exterior housewrap and sheathing materials.

- Thickness: 3.0 mils (0.076 mm)
- Adhesion to Steel: 45 oz/in (4.92 N/cm)
- Tensile: 32 lb/in (56.04 N/cm)
- Operating Temperature: 58 - 275 °F
- Colors: Printed White
- Standard Sizes: 48mm x 55M, 72mm x 55M
Safety Tapes

770/771 Surveyor’s Flagging

Non-Adhesive Embossed PVC Film

Strong and durable, high visibility. Non-toxic and non-flammable. Easy to tie and reuse.

Uses: Tie posts, stakes, and markers to indicate safety areas, trails, and surveyor’s points.

Thickness: 2.5 mils (0.064 mm)
Tensile: 7 lb/in (12.26 N/cm)
Elongation: 270%
Color: Blu, Org, Red, Wht, Yel
Standard Sizes: 1 1/8 in x 100 Yd, 1 1/8 in x 50 Yd

775 Woven Barricade

Woven Polypropylene

Exceptionally strong woven material. High visibility. Easy to tie and reuse. Chemical and weather resistant.

Uses: Creates an instant barrier to designate hazardous or restricted areas for construction job sites, road repair, and in-plant applications.

Thickness: 24 mils (0.610 mm)
Tensile: 460 lb/in (805.59 N/cm)
Elongation: 100%
Color: Black/Yellow, Red
Standard Sizes: 2 in x 50 Yd, 2 in x 100 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Barrier Printed PE Film

Durable material with excellent elongation. Easy to tie and reuse. High visibility with clear printed messages. Meets OSHA standards.

Uses: Creates instant barriers to provide warning of physical hazards or dangerous situations.

Thickness: 2 mils (0.051 mm)
Elongation: 300%
Standard Messages: “Caution”, “Danger,” “Danger Do Not Enter,” “Caution Do Not Enter”
Color: Red/Black, Yellow/Black
Standard Sizes: 3 in x 1000 Ft

Masking Tapes

MT100 Utility Masking

Back: Crepe Paper
Adhesive: Rubber
Offers up to 24 hours clean removal. Conforms well to irregular surfaces and shapes. Adheres well to a variety of substrates.

Uses: Bundling, labeling, packaging, general household and office uses.

Thickness: 4.8 mils (0.122 mm)
Adhesion to Steel: 42 oz/in (4.59 N/cm)
Tensile: 16 lb/in (28.02 N/cm)
Elongation: 150%
Color: Natural
Standard Sizes: 18, 24, 36, 48 mm x 55 M

140B 14-Day Painter’s Masking

Back: Crepe Paper
Adhesive: Rubber
UV resistant. Provides clean removal from most surfaces for up to 14 days. Resists most paints and varnishes. Excellent conformability.

Uses: Masking surfaces and securing PE sheeting in professional painting and cleaning applications. Suitable for indoor or outdoor use.

Thickness: 5.3 mils (0.134 mm)
Adhesion to Steel: 25 oz/in (2.74 N/cm)
Tensile: 24 lb/in (42.03 N/cm)
Elongation: 130%
Color: Blue
Standard Sizes: 24, 36, 48 mm x 55 M
Exclusive Warranty

Berry Plastics Corporation (hereinafter ‘Berry’) warrants its tape to be free from defects in materials and workmanship. Berry’s sole obligation under this warranty is replacement, or at its option, reimbursement of the purchase price, of tape shown to Berry’s satisfaction to have been defective at the time Berry sold.

Berry makes the foregoing warranty in lieu of all others, express or implied. Under no circumstances will Berry be responsible for loss of use, lost profits, irruption of business, cover, or for any other special, incidental, or consequential damages.

Shelf Life and Storage

- Typical shelf life for duct and foil tapes is 3 years from date of manufacture. For specific shelf life on these and other products, please contact customer service or your sales representative.
- Products should be stored in the original dry carton, off of the floor in a well-ventilated area with temperatures from 32-90 °F at 50% ± 2% relative humidity.

Palletech

Berry Plastics high performance, hand applied stretch film. Available in three convenient sizes for immediate shipment with your Nashua HVAC tape order. Contact your sales representative for details.

<table>
<thead>
<tr>
<th>Item</th>
<th>Gauge</th>
<th>Film Width (in)</th>
<th>Roll Length (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HWX-1616</td>
<td>65</td>
<td>16</td>
<td>1500</td>
</tr>
<tr>
<td>HWX-1620</td>
<td>79</td>
<td>16</td>
<td>1500</td>
</tr>
<tr>
<td>HWX-1820</td>
<td>79</td>
<td>18</td>
<td>1500</td>
</tr>
</tbody>
</table>
PROFESSIONALS’ CHOICE

For generations of contractors, Nashua® Tape Products has been the dependable, trusted choice for sealing and insulating heating, ventilating, and air conditioning systems in residential and commercial construction. The power of Nashua tapes is in the unique combination of quality, value, and proven performance. Nashua’s selection of low VOC HVAC tapes gets the job done right the first time, every time.