

SEALED FOR APPROVAL

UL 181 at a Glance

Did you know... That leaky ducts can account for up to 30% of heating and cooling costs? Or that duct leakage of only 20% of air flow can reduce your 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!

Seal these Critical Areas from High to Low

- Disconnected Components
- Connections Between the Air Handling Unit and the Plenum
- All Seams in the Air Handling Unit, Plenums and Rectangular Ducts – Especially in Hard to Reach Areas
- Return Takeoffs, Boots and Other Connections
- Joints Between Sections of Branch Ducts
- Longitudinal Seams in Round Metal Ducts

UL 181 Reference Guide

UL 181A-P


Closure systems used to seal duct work listed and labeled in accordance with UL 181A shall be marked "181A-P" for pressure-sensitive tape, "181 A-M" for mastic or "181 A-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  certification mark.
UL 181A - 3rd Edition (Section 15.1)

UL 181A-P Tapes

Polyken® 339 Cold weather

Nashua® 324A Cold weather

UL 181B-FX

Closure systems used to seal 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 Ducts or 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  certification mark.
UL 181B - 2nd Edition (Section 14.1)

UL 181B-FX Tapes

Polyken® 339 Cold weather

Polyken® 557

Polyken® 558CA

Polyken® 367-17 FoilMastic™

Berry Plastics 555 FlexFix™

Nashua® 324A Cold weather

Nashua® 557

Nashua® 558CA

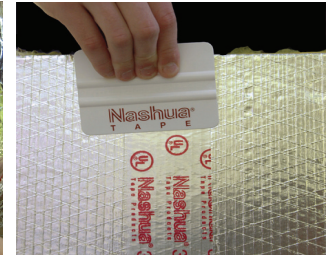
Nashua® 367-17 FoilMastic™

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 Polyken® and Nashua® tapes have a proven track record of providing air-tight seals: 324A, 339, 330X, 322, 337, 360-17 and 367-17. Polyken & Nashua 367-17 has been independently verified by the SMACNA Testing & Research Institute for performance on rigid sheet metal ducts up to 10" w.g. pressure class.

Know the code... The UL® mark on a tape product is a sign of performance and quality. Underwriters Laboratories is a global independent science safety company that develops tests and standards, evaluates products for safety and performance, and certifies and audits the products that carry their mark. Berry Plastics partners with UL to ensure the highest quality, highest performance products available to the HVAC market.

Nashua®
TAPE PRODUCTS

POLYKEN®



For more information on Underwriters Laboratories, Visit www.ul.com

National Energy & Building Standards Mandate the use of UL 181 Compliant Tapes for Sealing Duct Systems...

2015 International Residential Code Section M1601.4.1

Duct Construction/Installation/Joints, seams, and connections - Joints, longitudinal and transverse seams, and connections in duct work shall be securely fastened and sealed with welds, gaskets, mastics (adhesives), mastic-plus-embedded-fabric systems, liquid sealants or tapes. Tapes and mastics used to seal fibrous glass duct work shall be listed and labeled in accordance with UL 181A and shall be marked "181A-P" for pressure-sensitive tape, "181 A-M" for mastic or "181 A-H" for heat-sensitive tape.

Tapes and mastics used to seal metallic and flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181 B-FX" for pressure-sensitive tape or "181 B-M" for mastic.

2015 International Mechanical Code Section 603.9

Duct Construction & Installation/Joints, seams and connections - All joints, longitudinal and transverse seams and connections in ductwork shall be securely fastened and sealed with welds, gaskets, mastics (adhesives), mastic-plus-embedded-fabric systems, liquid sealants or tapes. Tapes and mastics used to seal fibrous glass ductwork shall be listed and labeled in accordance with UL 181A and shall be marked "181 A-P" for pressure-sensitive tape, "181 A-M" for mastic or "181 A-H" for heat-sensitive tape. Tapes and mastics used to seal metallic and flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181 B-FX" for pressure-sensitive tape or "181 B-M" for mastic.

UL Approved Tapes	For use with Flexible Air Ducts and Closure Systems	For use with Fiberglass Duct Closure Systems	Printed for Easy Identification	Conforms to Low VOC Requirements of LEED
Polyken 339 Cold Weather	■	■	■	■
Polyken 367-17	■		■	■
Flex Fix 555	■		■	■
Polyken 557	■		■	■
Polyken 558CA	■		■	■
Nashua 324A Cold Weather	■	■	■	■
Nashua 367-17	■		■	■
Nashua 557	■		■	■
Nashua 558CA	■		■	■