

HVAC Tapes

Pro Guide

Your Guide to Selecting
the Right Tape
for the Job



Shurtape
TECHNOLOGIES

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HVAC TAPES

When the quality of your work relies on your ability to produce an airtight bond on joints and seams, you need products that meet your tough standards. Whether you're working in vast temperature ranges, need a maximum-strength solution, or a tape built for aesthetics and performance, **you can count on Shurtape to be reliable, roll after roll.**

Shurtape[®]
TRUE TO YOUR WORK



We are proud to craft
– and supply – the right tape
solution for every job. And we are
proud to manufacture many of
those tapes right here in the USA.
Look for this icon for items that
are Made in the USA
with Local & Global Materials.



We know all jobs have one thing in common: they must be done right. That's why our complete line of cloth and duct tapes is engineered to exacting specs. When easy handling, varying adhesion levels and durable construction characteristics are needed, trust Shurtape to give every job a distinctive mark of excellence.

PC 857



UL 181B-FX Listed/Printed Cloth Duct Tape

UL 181B-FX Listed and printed cloth duct tape used in the HVAC industry to seal, seam and join Class 1 Flex Duct, even when surfaces are rougher or not fully clean. Offering high holding power, superior shear strength and excellent tearability, PC 857 is recommended for applications in which the tensile strength and adhesion to stainless steel and polyethylene must meet or exceed the strict requirements of UL, flex duct manufacturers and city and state codes.



PC 609



Performance Grade, Co-Extruded Cloth Duct Tape

Performance grade cloth duct tape for use in a variety of industries, including in the HVAC industry to repair thermal insulation and seal metal ductwork; in the manufactured housing industry to seam bottom boards and for patching, seaming and sealing; and general purpose use for packaging, bundling, holding, wrapping and waterproofing. PC 609 co-extruded duct tape offers extremely aggressive adhesion, good conformability to a variety of surfaces, and performs well in warm or cold climates.



SF 682



ShurFLEX® Non-Printed Metalized Cloth Duct Tape

ShurFLEX® HVAC non-printed professional grade metalized cloth duct tape designed for airtight and moisture-free seaming, connecting, splicing, patching and sealing of sheet metal and flex duct, rigid ductboards, air vents, insulation, fibrous filter banks and pollution collection systems. For superior performance, SF 682 is easy to use, hand-tearable and designed in color and appearance to match sheet metal, flex duct and ductboard.



CLOTH & DUCT TAPES

SF 683



ShurFLEX® Printed Metalized Cloth Duct Tape

ShurFLEX® HVAC printed professional grade metalized cloth duct tape for use in the HVAC industry to seam, connect, splice, patch and seal sheet metal and flex duct, insulation, rigid ductboards, air vents and fiber board. SF 683 is designed in color and appearance to match sheet metal, flex duct and ductboard, is hand-tearable, and delivers an airtight and moisture-free seal.



PC 621



Heavy Duty Cloth Duct Tape

Heavy duty cloth duct tape designed for HVAC applications to hold, seal and seam sheet metal and flex duct, exhaust vents and preformed insulation, and can also be used in industrial applications for holding, splicing, protecting and packaging. Use PC 621 for demanding applications that require an easy-to-use tape with excellent conformability, tack and holding power.



PC 721



Extreme Hold, Co-Extruded Cloth Duct Tape

Extreme hold cloth duct tape for HVAC applications to hold, seal and seam sheet metal, as well as for heavy duty industrial applications like holding, bundling, splicing, protecting and packaging. PC 721 is designed for demanding applications that require excellent conformability, tack and holding power, and its co-extruded construction means it will not delaminate.



MJ 100



Fiberglass Mesh Tape

Open weave fiberglass mesh tape used for reinforcing joints, seams and connections when paint-on mastic is used in HVAC applications, and can also be applied to drywall seams before the application of joint compound. MJ 100 drywall tape is self-adhering and offers superior strength compared to paper.



Designed to form an airtight, moisture-resistant bond on joints and seams, Shurtape aluminum foil and film tapes provide consistent quality roll after roll so your job is done right the first time.

AF 099



UL 181A-P/B-FX Listed/Printed Aluminum Foil Tape

Aluminum foil HVAC tape for joining and sealing joints, connections and seams on rigid fiberglass ductboard and flexible air duct, and as a UL 181A-P listed product, can also be used in place of mechanical fasteners on rigid ductboard. UL 181A-P/B-FX Listed and printed, AF 099 delivers full system closure by forming airtight bonds on joints and seams in temperatures ranging from -20 F to 260 F and in humid conditions.



AF 100



UL 181A-P/B-FX Listed/Printed Aluminum Foil Tape

UL 181A-P/B-FX Listed aluminum foil HVAC tape for joining and sealing joints, connections and seams on rigid fiberglass ductboard and flexible air duct. A tape that "does it all," AF 100 is engineered to form airtight bonds on joints and seams in temperatures ranging from -20 F to 260 F and in humid conditions to deliver full system closure. As a UL 181A-P listed product, AF 100 can be used in place of a mechanical fastener on rigid ductboard.



AF 914CT



Cold Temperature Aluminum Foil Tape

Lined cold temperature aluminum foil tape for joining and sealing aluminum-backed and fibrous insulation and metal ductwork, and to repair metal and sheet metal. Designed with an acrylic adhesive and tested in accordance with UL 723, AF 914CT delivers an airtight seal in temperatures ranging from -20 F to 260 F.



AF 975CT



Cold Temperature Aluminum Foil Tape

Cold temperature aluminum foil tape for use in temperatures ranging from -20 F to 260 F when joining and sealing aluminum-backed or fibrous insulation and metal ductwork, as well as when repairing metal and sheet metal. AF 975CT is lined, designed with an acrylic adhesive, tested in accordance with UL 723 and delivers an airtight seal every time.



FOIL & FILM TAPES

SF 685



ShurMASTIC® Butyl Foil Tape

ShurMASTIC® butyl foil tape for indoor or outdoor use to seal Class 1 Flex Duct, sheet metal and duct wrap vapor barriers, and is also approved for subgrade application on PVC-coated duct. SF 685 is a lined, paintable foil mastic on a roll that's tested in accordance with UL 723 and delivers permanent, airtight and water-resistant seals in temperatures up to 200 F.



SF 686



UL 181B-FX Listed/Printed ShurMASTIC® Butyl Foil Tape

ShurMASTIC® butyl foil tape used for airtight and moisture-free sealing of Class 1 Flex Duct, sheet metal and duct wrap vapor barriers, and is also approved for subgrade application on PVC-coated duct. A paintable, UL 181B-FX Listed mastic on a roll for indoor or outdoor use, SF 686 is designed with a butyl rubber adhesive system that can withstand wide temperature variances once applied.



DC 181



UL 181B-FX Listed/Printed Film Tape

UL 181B-FX Listed film tape for use on Class 1 Flex Duct for connecting, joining, sealing and patching flexible air ductwork. DC 181 features an acrylic adhesive system, high performance in temperatures ranging from -10 F to 210 F, and is clearly printed with the UL Listing to ensure every job is code compliant.



FF 100



Film Tape for Reflective Insulation

UL 181B-FX Listed film tape designed specifically for seaming and sealing reflective insulation in temperatures ranging from 14 F to 176 F. FF 100 is highly conformable, hand-tearable, and features an aggressive, all-weather adhesive that forms a permanent bond and withstands numerous thermal cycles to deliver performance for the life of the system.



HOW IMPORTANT IS THE “UL LISTED” MARK ON YOUR ROLL OF TAPE?

When working with any component of an HVAC system, using a tape that is UL Listed is critical. A UL listing lets you know that the tape has been rigorously tested to meet performance and safety standards – a requirement in order to pass inspections. It could also be a contributing factor in whether your work achieves full system closure or contains costly air leaks. Most HVAC tapes that are UL Listed are constructed with a printed backing, allowing inspectors to quickly see that a job is up to code.



FOIL & FILM TAPES

AF 984CT



Cold Temperature Foil/Scrim/Kraft Tape

UL 723 tested Foil/Scrim/Kraft (FSK) tape for sealing seams in scrim-reinforced duct insulation. Ideal for applications that demand a maximum-strength tape, AF 984CT is lined, offers an acrylic adhesive and can be used in temperatures ranging from -20 F to 260 F.



AF 990CT



Cold Temperature All Service Jacket Tape

All Service Jacket (ASJ) tape for use in cold and dual temperature systems to seal, seam and join scrim-reinforced pipe and duct insulation. AF 990CT is lined and offers an acrylic adhesive, performs in temperatures ranging from -20 F to 260 F and is tested in accordance with UL 723.



AF 995CT



Cold Temperature ASJ+ Tape

All Service Jacket+ (ASJ+) tape for sealing butt joints on ductboard and pipe insulation wrapped with ASJ+ faced backing. Lined and tested in accordance with UL 723, AF 995CT is constructed with a white poly-scrim-foil backing that inhibits mold growth and is DECA free, in addition to an all-weather acrylic adhesive that performs in temperatures ranging from -20 F to 260 F to deliver a permanent solution for use across a range of jobs.



MB 100CT



Metal Building Insulation Seaming Tape

Unique three-layer construction of polypropylene film, fiberglass reinforcing scrim and metalized polyester make MB 100 the ideal seaming and sealing tape for VR-R plus insulation backings. MB 100 is mold-resistant and is coated with a high-performing cold temperature adhesive, which allows the tape to be applied in temperatures ranging from -20 F to 220 F.



LS 300



UV-Resistant Line Set Tape

UV-resistant line set tape for taping outdoor HVAC components. An economical solution that holds strong outdoors, LS 300 is durable, easy to unwind and can be applied in a variety of temperature ranges and used in humid conditions.





Shurtape electrical tapes are engineered for durability, strength and consistent performance in a range of electrical and mechanical applications. Whether for primary insulation, as a jacketing or for phasing, you can be confident our electrical tapes will meet the demands of the job.

EV 57B/C



General Purpose Grade, UL Listed, Black & Colored Electrical Tape

General purpose grade, 7.0 mil vinyl insulation tape for use in a variety of mechanical and electrical applications. UL Listed and CSA Approved, EV 57B is a highly conformable, lead free and flame retardant black electrical tape for use indoors and out.



EV 77B/C



Professional Grade, UL Listed, Black & Colored Electrical Tape

Professional grade, 7.0 mil, all-weather vinyl insulating tape used for electrical and mechanical protection in temperatures ranging from 0 F to 220 F. UL Listed and CSA Approved, EV 77B black electrical tape is lead free, flame retardant, and is engineered with a polymeric backing construction, as well as a specialized method of bonding the adhesive to the vinyl backing, which allows the tape to be highly conformable and deliver a moisture-tight seal, even in extreme temperatures.



EV 97B



Premium Grade, UL Listed, Black Electrical Tape

Premium grade, 8.5 mil, all-weather vinyl tape used for insulating electrical splices up to 600V, as a jacketing on high voltage splices and repairs, and can also be used when wrapping wire harnesses and cables. EV 97B is UL Listed, CSA Approved, lead free and flame retardant, and is engineered with polymeric backing construction, as well as a specialized method of bonding the adhesive to the vinyl backing, which creates a highly conformable tape that delivers a moisture-tight seal in temperatures ranging from 0 F to 220 F.



Full System Closure

Full system closure means no leaks. An installer must identify all the spots in a system where air leaks could occur. Once these areas have been identified, the proper tape must be chosen to permanently seal the system.

Things to consider:

APPLICATION TECHNIQUE

HVAC tapes are pressure-sensitive and require some type of force to create the bond to the surface. Without this pressure when the tape is applied, the system is susceptible to air leaks and failure. A squeegee can help the installer provide the proper amount of pressure. It's also imperative when applying the tape not to overstretch it, as this could result in elongation that results in air leaks.



ENVIRONMENTAL CONDITIONS

Temperature, humidity and cleanliness of the area can affect the performance of your HVAC tape. If you're working in cold temperatures, it's imperative to select a tape that is cold-temperature approved. Removing dust, dirt and oils from the surface is also critical to the tape's adhesion performance.



APPLICATION SURFACE

What you are sealing also dictates the type of tape needed for the job. This may include aluminum ductwork, sheet metal, Class 1 flex duct, insulated ductboard, scrim-reinforced duct insulation, etc. Some surfaces demand a specialized tape, so it's important to get all the facts first.



CODE COMPLIANCE

Tapes must pass a series of tests for adhesion level, shear strength, tensile strength, and burn, mold and humidity resistance to achieve compliance status. Without the proper tape in place to meet specific building codes, the system may fail the inspection.



Tape Characteristics

Tapes vary in characteristics such as:

- **Permeability:** the tape's ability to keep contaminants from coming in and air from leaking out
- **Adhesion:** the tape's ability to form a permanent and strong bond
- **Conformability:** the tape's ability to be pressed around and onto irregular or non-smooth surfaces
- **Tack:** the tape's ability to stick right away
- **Strength:** the tape's ability to hold up to various applications; some applications demand maximum-strength performance

All of these factors should be considered when selecting a tape.

What are the consequences of using the wrong tape for the job?

- System is susceptible to air leaks and failure
- Indoor air quality concerns due to contaminants
- System fails the inspection
- Lifespan of system is shortened
- System runs more hours than necessary – costly electric bills
- Call-backs to fix issues
- Damage to your reputation
- Loss of business, tax incentives



Selecting the **Right Tape** for the Job

Choosing the right HVAC tape for the job is critical to a job well done. There are many tapes available, so it's important to know that each serves its own unique purpose. From meeting the code to taking on the cold, we've got you covered.

UL LISTED

AF 099

UL 181A-P/181B-FX Listed Aluminum Foil Tape

For joining and sealing joints, connections and seams on rigid fiberglass ductboard and flexible air duct, and can also be used in place of mechanical fasteners on rigid ductboard.



DC 181

UL 181B-FX Listed Film Tape

For use on Class 1 Flex Duct for connecting, joining, sealing and patching flexible air ductwork.



SF 686

UL 181B-FX Listed Indoor/Outdoor Butyl Foil Tape

For airtight and moisture-free sealing of Class 1 Flex Duct, sheet metal and duct wrap vapor barriers; also approved for subgrade application on PVC-coated duct.



PC 857

UL 181B-FX Listed Cloth Duct Tape

For sealing, seaming and joining Class 1 Flex Duct, particularly on surfaces that are "rougher" or not fully clean.



COLD TEMPERATURE

AF 975

Cold Temperature Aluminum Foil Tape

For joining and sealing aluminum-backed or fibrous insulation and metal ductwork, as well as for repairing metal and sheet metal.



AF 984

Foil/Scrim/Kraft Tape

For sealing seams in scrim-reinforced duct insulation, particularly those applications that demand a maximum-strength tape.



ROLL MASTIC

SF 685

Indoor/Outdoor Butyl Foil Tape

For indoor and outdoor use to seal Class 1 Flex Duct, sheet metal and duct wrap vapor barriers, and is also approved for subgrade application on PVC-coated duct.



PERFORMANCE DUCT

SF 682

Non-Printed Metalized Cloth Duct Tape

For airtight and moisture-free seaming, connecting, splicing, patching and sealing of sheet metal and flex duct, rigid ductboards, air vents, insulation, fibrous filter banks and pollution collection systems.



TOOLS FOR THE TRADE

From educational articles to helpful how-to videos, we have developed industry-leading resources dedicated to keeping you up to date on trends and best practices while helping you exceed expectations on the job.

TAPE UNIVERSITY

TapeUniversity.com is your leading online resource for all things tape, including industry trends and best practices. We're committed to providing the best learning experience by providing the tape industry's most comprehensive place to learn. From blog posts and articles to video demonstrations, Tape University serves to answer commonly asked questions about tape – and invites you to ask your own.

TAPEUNIVERSITY®

ICON DESCRIPTIONS



Made in the USA with Local & Global Materials



COLD TEMP

Cold Temperature



ALL-WEATHER

All-Weather



POLYMER BLENDED
CO-EX
TECHNOLOGY

Co-Ex Technology



UL
LISTED

UL Listed



WATERPROOF
BACKING

Waterproof Backing



UV
RESISTANT

UV Resistant

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The information in this Pro Guide, along with other Company product literature, specifications, product and test reports, and other descriptive and advertising material and information is based on research testing and is believed to be reliable but constitutes no part of a product warranty. Shurtape products are sold on the understanding that the buyer has determined or will determine the suitability of the product for buyer's purposes, and is reminded that some materials are sensitive to adhesive-based products and discretion should be used in their application.

Shurtape
TECHNOLOGIES



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