



HVAC & INSULATION PRODUCT GUIDE





WHO WE ARE

For close to 40 years, Ideal Tape Co. has been perfecting the art of tape manufacturing. Our dedicated employees use their years of expertise to craft exceptional tapes that provide solutions for your toughest applications.

We are a division of American Biltrite Inc. and ABI Tape, which have offices around the world. We are guided by our values of Health & Safety, Customer Service, Integrity, Teamwork, and Social Responsibility. Our people operate with the utmost care and sincerity to serve our customers, community, and each other.

WHAT WE DO

Our tapes protect, splice, mask, insulate, reinforce, and seal in many markets. We strive to satisfy customers with our promise of high performance products with unrivaled dependability. We are devoted to our vision and will work tirelessly to exceed our customers' expectations for many years to come.



CUSTOMER SUPPORT

You are our number one priority. Our Customer Service team, Territory Managers, and Product Managers are committed to helping you find the right products and performance.



HIGH STANDARDS

Our dedicated R&D and Quality teams are focused on creating products of the highest caliber. We work together with our customers on continuous improvement and innovation.



PRODUCT LINE VARIETY

We have worked to perfect our portfolio to ensure we have the products you require. Our wide-ranging line offers options for all your HVAC and insulation needs.



DOMESTIC MANUFACTURING

Most of our products are proudly made in America from U.S. sourced materials. We are positioned to provide quick and convenient service across the country.

CALL US WITH QUESTIONS



800-229-9148



www.idealtape.com



[@idealtape_hvac](https://www.instagram.com/idealtape_hvac)



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UL 181 TAPES



Ideal Seal® 2000 Foil

Ideal Seal 2000 is an aluminum foil tape designed to seal joints on Class 1 rigid fiberglass ducts, flexible air ducts, and connectors to create a closed system. It is code compliant, printed with red ink for quick identification. Ideal Seal 2000 comes with a 20-year limited warranty.

STOCK SIZES 2.5" x 60 yds, 3" x 60 yds

ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 4.3 mils (0.11 mm)

ADHESION TO STEEL 60 oz/in (16 N/25mm)

TENSILE STRENGTH 25 lbs/in (109 N/25mm)

CLASSIFICATIONS UL 181A-P Listed, UL 181B-FX Listed



Ideal Seal® 587 A/B Foil

Ideal Seal 587 A/B is a premium grade aluminum foil tape designed to seal joints on Class 1 rigid fiberglass ducts, flexible air ducts, and connectors to create a closed system. It is code compliant, printed with red ink for quick identification. Ideal Seal 587 A/B comes with a 20-year limited warranty.

STOCK SIZES 2.5" x 60 yds, 3" x 60 yds

ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 4.6 mils (0.12 mm)

ADHESION TO STEEL 60 oz/in (16 N/25mm)

TENSILE STRENGTH 25 lbs/in (109 N/25mm)

CLASSIFICATIONS UL 181A-P Listed, UL 181B-FX Listed



Flex Seal™ 450 Flex Film

Flex Seal 450 is a hand tearable polypropylene film tape for sealing Class 1 flexible air ducts and connectors. 450 is code compliant, printed for quick identification. It is available in black with white printing or metallized silver with black printing.

STOCK SIZE 2" x 120 yds

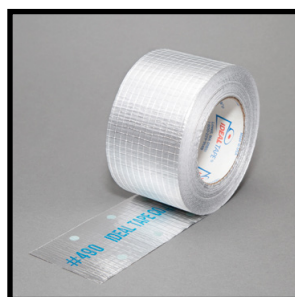
ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 3 mils (0.08 mm)

ADHESION TO STEEL 40 oz/in (11 N/25mm)

TENSILE STRENGTH 30 lbs/in (131 N/25mm)

CLASSIFICATIONS UL 181B-FX Listed, UL 723 Rated



Ideal Seal® 490 Heat Seal

Ideal Seal 490 is a scrim reinforced heat seal aluminum foil tape designed for sealing during fiberglass duct board fabrication. It is code compliant, printed with blue ink for quick identification. Heat activated markings change color when the adhesive reaches the proper temperature.

STOCK SIZE 3" x 117 yds

ADHESIVE SYSTEM Heat Activated Surlyn®

TAPE THICKNESS 7 mils (0.18 mm)

ADHESION TO STEEL 72 oz/in (19 N/25mm)

TENSILE STRENGTH 25 lbs/in (109 N/25mm)

CLASSIFICATIONS UL 181A-H Listed

NOTE: All duct work should be installed per SMACNA guidelines. Insulation should be installed according to mechanical engineering specifications and the insulation manufacturer's guidelines. Before applying Ideal Tape products, all surfaces should be clean and dry.

Contact us for custom sizes.

PLAIN FOILS



Cold Seal™ 788 Foil

Cold Seal 788 is a premium grade, dead soft aluminum foil tape designed for sealing seams and joints of duct board and duct wrap insulation. It conforms well to irregular surfaces, such as FSK facings. Made with Cold Seal™ cold weather acrylic adhesive.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

ADHESIVE SYSTEM Cold Seal™ Acrylic

TAPE THICKNESS 3.5 mils (0.09 mm)

ADHESION TO STEEL 90 oz/in (25 N/25mm)

TENSILE STRENGTH 20 lbs/in (88 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated,
USCG COA Number 164.112/161/0



Ideal Tape® 488 Foil

Ideal Tape 488 is a premium grade, dead soft aluminum foil tape designed for sealing seams and joints of duct board and duct wrap insulation. It conforms well to irregular surfaces, such as FSK facings.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 3.5 mils (0.09 mm)

ADHESION TO STEEL 90 oz/in (25 N/25mm)

TENSILE STRENGTH 20 lbs/in (88 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated



Ideal Tape® 488S Foil

Ideal Tape 488S is a standard grade, dead soft aluminum foil tape designed for sealing seams and joints of duct board and duct wrap insulation. It conforms well to irregular surfaces, such as FSK facings.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 3 mils (0.08 mm)

ADHESION TO STEEL 90 oz/in (25 N/25mm)

TENSILE STRENGTH 14 lbs/in (61 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated



Ideal Tape® 488ECO Foil

Ideal Tape 488ECO is an economy grade, dead soft aluminum foil tape designed for sealing seams and joints of duct board and duct wrap insulation. It conforms well to irregular surfaces, such as FSK facings.

STOCK SIZES 2" x 50 yds 3" x 50 yds

ADHESIVE SYSTEM Acrylic

TAPE THICKNESS 2.7 mils (0.07 mm)

ADHESION TO STEEL 90 oz/in (25 N/25mm)

TENSILE STRENGTH 12 lbs/in (53 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated

REINFORCED INSULATION TAPES



Cold Seal™ 728 ASJ

Cold Seal 728 is an ASJ (All Service Jacket) reinforced tape designed for sealing seams and joints of traditional ASJ faced fiberglass duct board. It is a butt strip tape that matches the jacket in pipe covering fabrication. Made with Cold Seal™ cold weather acrylic adhesive.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

MEETS ASTM C1136 TYPE I, II, III, AND IV

TAPE THICKNESS 9 mils (0.23 mm)

ADHESION TO STEEL 100 oz/in (27 N/25mm)

TENSILE STRENGTH 45 lbs/in (197 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated



Cold Seal™ 729 ASJ+

Cold Seal 729 ASJ+ is a WMP® (White Metallized Polypropylene) reinforced tape designed to seal seams and joints of WMP® ASJ faced fiberglass duct board. It is a butt strip tape that matches the jacket in pipe covering fabrication. 729 is paper-free, making it more mold resistant. It matches Owens Corning and Knauf WMP® facings. Made with Cold Seal™ cold weather acrylic adhesive.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

MEETS ASTM C1136 TYPE I, II, III, IV, AND X

TAPE THICKNESS 10 mils (0.25 mm)

ADHESION TO STEEL 73 oz/in (20 N/25mm)

TENSILE STRENGTH 55 lbs/in (241 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated



Cold Seal™ 791 FSK

Cold Seal 791 is an FSK (Foil/Scrim/Kraft) reinforced tape designed for sealing seams and joints on FSK faced duct wrap and board insulation. 791 is Coast Guard Approved. Made with Cold Seal™ cold weather acrylic adhesive.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

MEETS ASTM C1136 TYPE II AND IV

TAPE THICKNESS 6 mils (0.15 mm)

ADHESION TO STEEL 35 oz/in (153 N/25mm)

TENSILE STRENGTH 35 lbs/in (153 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated,
USCG COA Number 164.112/162/0



Ideal Tape® 427 PSK

Ideal Tape 427 is a WMP® PSK (Polypropylene/Scrim/Kraft) reinforced tape designed for sealing seals and joints on Lamtec® WMP-10 and WMP-30 facings in both mechanical and metal building insulation (MBI) applications. Tested in accordance with UL 723.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

MEETS ASTM C1136 TYPE II AND IV

TAPE THICKNESS 9 mils (0.23 mm)

ADHESION TO STEEL 75 oz/in (21 N/25mm)

TENSILE STRENGTH 40 lbs/in (175 N/25mm)



Ideal Tape® 491 FSK

Ideal Tape 491 FSK (Foil/Scrim/Kraft) reinforced tape is a cost-effective solution designed for sealing FSK faced duct wrap and board insulation.

STOCK SIZES 3" x 50 yds, 4" x 50 yds

MEETS ASTM C1136 TYPE II AND IV

TAPE THICKNESS 6 mils (0.15 mm)

ADHESION TO STEEL 100 oz/in (27 N/25mm)

TENSILE STRENGTH 35 lbs/in (153 N/25mm)

CLASSIFICATIONS UL Classified, UL 723 Rated

SELF-ADHESIVE JACKETING (CLADDING)

IDEAL SHIELD®



Ideal Shield® Jacketing

Ideal Shield is a multifunctional, self-adhesive laminate protective jacket for outdoor applications. It provides a zero perm vapor barrier over insulation on rooftop duct work, piping, and equipment. Our unique design offers repositioning and easy installation. Ideal Shield is an all-weather jacketing system that delivers cost savings through reduced labor. It can also be used as a heavy-duty patch and repair and strapping tape. When a specification allows for “or equivalent” products, or where Ideal Seal 777 is already specified, Ideal Shield Jacketing is both the equivalent and replacement.

Aluminum Finishes

COLOR Embossed Aluminum/Flat Aluminum

ADHESIVE SYSTEM Acrylic

STOCK SIZES 35.25" x 50 yds - 30 per pallet

ADHESION TO STEEL 70 oz/in (766 N/mm)

TAPE THICKNESS 12.5 mils (318 µm) / 9.6 mils (244 µm)

APPLICATION TEMPERATURE -20°F to 160°F

TENSILE STRENGTH 30 lbs/in (5.25 N/mm)

SERVICE TEMPERATURE -70°F to 250°F

SHELF LIFE 24 months

WARRANTY 10 years

White Finishes

COLOR Embossed White/Gloss White

ADHESIVE SYSTEM Acrylic

STOCK SIZES 35.25" x 50 yds - 30 per pallet

ADHESION TO STEEL 70 oz/in (766 N/mm)/85 oz/in (930 N/mm)

TAPE THICKNESS 10 mils (254 µm) / 8 mils (203 µm)

APPLICATION TEMPERATURE -20°F to 160°F

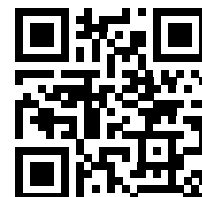
TENSILE STRENGTH 65 lbs/in (11 N/mm)

SERVICE TEMPERATURE -70°F to 250°F

SHELF LIFE 24 months

WARRANTY 10 years

To learn more about Ideal Shield®, visit www.idealtape.com. Download technical data sheets, view the installation guide, and watch an instructional video.



CLOTH DUCT TAPES



Ideal Seal® 469

Ideal Seal 469 is a polypropylene coated cloth duct tape designed for general purpose applications like packaging, wrapping, and sealing, binding and bundling, weather proofing, and other maintenance. Also used to hang plastic sheeting during abatement projects.

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|---|---|
| STOCK SIZE 2" x 60 yds | ADHESIVE SYSTEM Rubber |
| TAPE THICKNESS 9 mils (0.23 mm) | ADHESION TO STEEL 50 oz/in (14 N/25mm) |
| TENSILE STRENGTH 20 lbs/in (88 N/25mm) | CLASSIFICATIONS UL 723 Rated |

MISCELLANEOUS TAPES



Ideal Tape® 370

Ideal Tape 370 is a PVC tape designed to seal indoor pre-molded PVC fittings, joints, T's, long radius sweeps, and valves to pipe covering. Its high conformability provides a tight seal around joints and connections, creating a sealed system.

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|--|--|
| STOCK SIZES 1" x 36 yds, 1.5" x 36 yds, 2" x 36 yds | ADHESIVE SYSTEM Acrylic |
| TAPE THICKNESS 5 mils (0.13 mm) | ADHESION TO STEEL 20 oz/in (5 N/25mm) |
| TENSILE STRENGTH 15 lbs/in (66 N/25mm) | |



Ideal Tape® 411

Ideal Tape 411 is a fiberglass reinforced polypropylene filament tape designed to secure the internal layers in multi-layer insulation systems for plenums, grease duct, and piping. It can also be used as a general purpose strapping tape for bundling, palletizing, and other packaging applications.

| | |
|--|---|
| STOCK SIZES .75" x 60 yds, 1" x 60 yds | ADHESIVE SYSTEM Rubber |
| TAPE THICKNESS 4.2 mils (0.11 mm) | ADHESION TO STEEL 50 oz/in (14 N/25mm) |
| TENSILE STRENGTH 275 lb/in (1,204 N/25mm) | |



Ideal Tape® 888

Ideal Tape 888 is a double-coated polyester tape designed as a self-sealing lap (SSL) tape used in pipe covering.

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|--|---|
| STOCK SIZES 1" x 36 yds, 1.5" x 36 yds, 2" x 36 yds | ADHESIVE SYSTEM Acrylic |
| TAPE THICKNESS 3.8 mils (0.10 mm) | ADHESION TO STEEL 50 oz/in (14 N/25mm) |
| TENSILE STRENGTH 18 lbs/in (79 N/25mm) | |

All product properties are measured in accordance with Pressure Sensitive Tape Council and/or ASTM test methods. The physical properties listed in this catalog are typical values and are not to be construed as specifications. Our suggestions and recommendations for use are based on tests we believe to be reliable. However, the purchaser must determine the suitability of the product for his intended use. Ideal Tape Co., Inc. assumes no liability for claims beyond the replacement value of our product proved to be defective.

WWW.IDEALTAPE.COM

CUSTOMER SERVICE:
800-229-9148

