



# **IDEAL SHIELD<sup>®</sup>** **JACKETING**

BROUGHT TO YOU BY IDEAL TAPE CO.

**YOUR ULTIMATE ARMOR AGAINST THE ELEMENTS.**

Jacketing plays a crucial role in protecting externally insulated duct work from water intrusion.  
State-of-the-art Ideal Shield<sup>®</sup> Jacketing is the ultimate self-adhesive, all-weather warrior.

**TESTED TOUGH AND BUILT FOR BATTLE.**



Ideal Shield® is a multi-functional, self-adhesive laminate protective jacket for outdoor applications. It provides a zero perm vapor barrier over insulation on rooftop duct work, piping, and equipment. It has been rigorously tested to the highest standards.

## ALUMINUM JACKETING EMBOSSED OR FLAT

→ Tested in accordance with UL 723

→ Zero perm vapor barrier

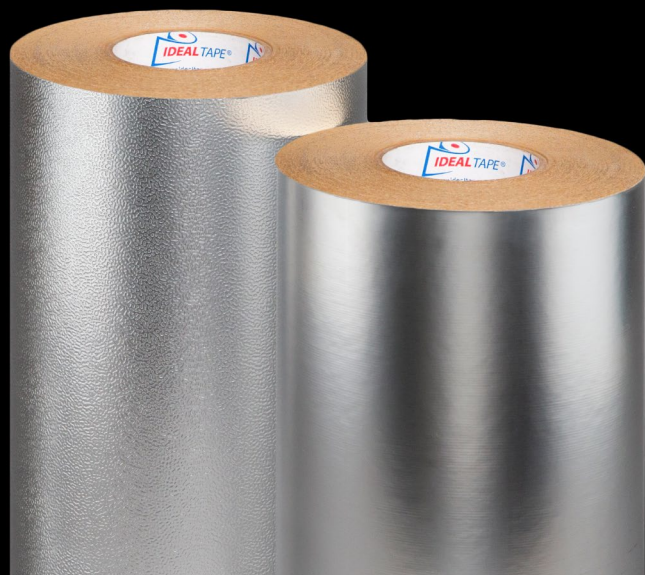
→ 10-year warranty

→ Application temperature -20°F to 160°F

→ Service temperature -70°F to 250°F

Stock Roll Size 35.25" X 50 yds • 30 per Pallet • When Properly Stored, Shelf Life Is 24 Months  
When a specification allows for "or equivalent" products, or where Ideal Seal® 777 Aluminum is already specified, Ideal Shield Aluminum Jacketing is both the equivalent and replacement.

| PHYSICAL PROPERTIES                                           | EMBOSSED VALUES | FLAT VALUES | TEST METHOD                  |
|---------------------------------------------------------------|-----------------|-------------|------------------------------|
| Thickness, mils (µm)                                          | 12.5 (318)      | 9.6 (244)   | PSTC-133                     |
| WVTR, Perm (metric perm)                                      | 0.00 (0.00)     | 0.00 (0.00) | ASTM E96 Procedure B         |
| Puncture, lbs (n)                                             | 10.5 (47)       | 10.5 (47)   | ASTM D1000                   |
| Mullen Burst, psi (kpa)                                       | 60 (414)        | 60 (414)    | ASTM D774                    |
| Tensile Strength (N/mm)                                       | 30 (5.25)       | 30 (5.25)   | ASTM D882                    |
| Peel Adhesion oz/in (N/m)                                     | 70 (766)        | 70 (766)    | PSTC-101                     |
| Low Temp. Exposure °F (°C)                                    | -40 (-40)       | -40 (-40)   | ASTM C1263                   |
| High Temp. Exposure °F (°C)                                   | 250 (121)       | 250 (121)   | ASTM C1263                   |
| Dimensional Stability (%)                                     | <0.2            | <0.2        | ASTM D1204                   |
| Weather Resistance, Pass/Fail                                 | Pass            | Pass        | ASTM G154, cycle 1, 1000 hrs |
| Water Resistance, Pass/Fail                                   | Pass            | Pass        | 24 Hrs @ 73°F (23°C )        |
| Fungi Resistance, Pass/Fail                                   | Pass            | Pass        | ASTM C1338                   |
| Thermal Emittance                                             | <0.05           | <0.05       | ASTM C1371                   |
| Surface Burning Characteristics, Flame Spread/Smoke Developed | 15/25           | 15/35       | ASTM E84                     |



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 & repair and strapping tape. Our unique design offers repositioning. It's durable, dependable, and easy to install.

# WHITE JACKETING EMBOSSED OR GLOSS

- Meets ASTM C1775, Class 2
- Tested in accordance with UL 723
- Zero perm vapor barrier
- 10-year warranty
- Application temperature -20°F to 160°F
- Service temperature -70°F to 250°F
- Compliant with FDA regulation CFR 175.105 for indirect food contact

Stock Roll Size 35.25" X 50 yds • 30 per Pallet • When Properly Stored, Shelf Life Is 24 Months

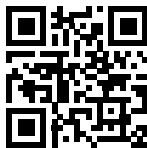
| PHYSICAL PROPERTIES                                              | EMBOSSED<br>VALUES | GLOSS<br>VALUES | TEST METHOD                  |
|------------------------------------------------------------------|--------------------|-----------------|------------------------------|
| Thickness, mils (µm)                                             | 10 (254)           | 8 (203)         | PSTC-133                     |
| WVTR, Perm (metric perm)                                         | 0.00 (0.00)        | 0.00 (0.00)     | ASTM E96 Procedure B         |
| Puncture, lbs (n)                                                | 29 (129)           | 29 (129)        | ASTM D1000                   |
| Mullen Burst, psi (kpa)                                          | 220 (1,517)        | 220 (1,517)     | ASTM D774                    |
| Tensile Strength (N/mm)                                          | 65 (11)            | 65 (11)         | ASTM D882                    |
| Peel Adhesion oz/in (N/m)                                        | 70 (766)           | 85 (930)        | PSTC-101                     |
| Low Temp. Exposure °F (°C)                                       | -40 (-40)          | -40 (-40)       | ASTM C1263                   |
| High Temp. Exposure °F (°C)                                      | 240 (116)          | 240 (116)       | ASTM C1263                   |
| Dimensional Stability (%)                                        | 0.15               | 0.15            | ASTM D1204                   |
| Weather Resistance, Pass/Fail                                    | Pass               | Pass            | ASTM G154, cycle 1, 1000 hrs |
| Water Resistance, Pass/Fail                                      | Pass               | Pass            | 24 Hrs @ 73°F (23°C )        |
| Fungi Resistance, Pass/Fail                                      | Pass               | Pass            | ASTM C1338                   |
| Thermal Emittance                                                | 0.89               | 0.89            | ASTM C1371                   |
| Surface Burning Characteristics,<br>Flame Spread/Smoke Developed | 5/10               | 0/5             | ASTM E84                     |





## IDEAL SHIELD®

To learn more about Ideal Shield, visit [www.idealtape.com](http://www.idealtape.com). Download technical data sheets, view the installation guide, and watch an instructional video of Ideal Shield in action.



Ideal Shield Jacketing products are made in the USA of US-sourced components, making them compliant with Buy America and the Buy American Act.



Moorestown, NJ



800-229-9148



[www.idealtape.com](http://www.idealtape.com)