



Technical Data Sheet

Ideal Tape® Ideal Seal® 777 Jacketing

PRODUCT DESIGN

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

PERFORMANCE FEATURES

- Application temperature -20°F to 160°F
- Service temperature -70°F to 250°F
- Multi-ply laminate backing provides superior tear and puncture resistance
- Antimicrobial treatment inhibits mold growth
- Functions as a zero-perm vapor barrier – assures the integrity of the insulation system
- Compliant with FDA regulation CFR 175.105 for indirect food contact

PHYSICAL PROPERTIES	VALUE	METHOD
Product Thickness	Aluminum: 7.5mils (0.19mm) Embossed Aluminum: 10 mils (0.25mm)	PSTC-133
Adhesion to Steel	80 oz/in (2,234 g/25mm)	PSTC-101
Thermal Integrity Temperature	-20° F to 150° F (No cracking/No delamination)	ASTM C1263
Tensile Strength	4,400 (psi)	ASTM D882
Total Energy	230 lbs/in	ASTM D882
Elongation at Break	270%	ASTM D882
Tear Strength	9 lbs	ASTM D624
Water Vapor Transmission	< 0.00 US perms	ASTM E96 Procedure A
Dimensional Stability (150° F-24hrs)	< 0.1%	ASTM D1204
Fungi Resistance	No mold growth	ASTM C1338
Surface Burning Characteristics	20/15 Flame Spread/Smoke Developed	ASTM E84
Emittance	0.03	ASTM C1371

CLASSIFICATIONS

UL Classified, UL 723 Rated

All product properties are measured in accordance with Pressure Sensitive Tape Council and/or ASTM test methods. The physical properties listed above 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., assumes no liability for claims beyond the replacement value of our product proved to be defective. Note: Tape should be stored in its original packaging in a cool, dry area (60°F to 80°F and 50% relative humidity) away from direct sunlight. Tape should be used within 24 months from the date of manufacture. Application surfaces should be clean, dry and free of grease, oil or other contaminants. VB 092726

ABI Tape®

IDEAL SEAL®

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