

IDEAL SEAL®

777

UL Classified
UL 723 Rated

USCG COA Number 164.112/160/0

Product Design

Ideal Seal 777 is a multifunctional self-adhesive protective jacket that provides a total vapor barrier and complete moisture protection for use over thermal insulation on pipes, ducts and equipment. It can also be used as a heavy duty patch and repair tape on large diameter piping systems in industrial plants. Also effective for use as a strapping tape used for the installation of subsea pipe-in-pipe insulation. Our unique design offers repositioning and easy installation. Ideal Seal 777 is a high performance jacketing system that delivers savings in time, labor and costs.

Performance Features

- ✓ Ideal Seal 777 performs in a **wide range of temperatures**
- ✓ Multi-ply laminate backing provides superior **tear and puncture resistance**
- ✓ **Exceeds UL 723 requirements** for Flame Spread and Smoke Developed
- ✓ 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
- ✓ **Antimicrobial treatment** inhibits mold growth

Physical Properties	Value	Method
Product Thickness	Aluminum: 7.5mils (0.19mm) / Embossed Aluminum: 10 mils (.25mm) / White: 10.5 mils (.27mm) * Features Cool Roof™ technology	Micrometer
Adhesion to Steel	80 oz/in (2,234 g/25mm)	PSTC-1
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	270.0%	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
Fire and Smoke Ratings	Exceeds 25/50 Flame/Smoke Rating	ASTM E84
Emittance	0.03	ASTM C1371

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 12 months from the date of shipment. Application surfaces should be clean, dry and free of grease, oil or other contaminants.

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