



SHIELD+ PTE LTD

Product Features

- Zero water permeability
- High flexibility for installation
- Ease on tight space requirement
- Repairable
- Less dust & cleaning required
- Tough & long lasting
- Save installation time
- Save manpower cost



SHIELD+ IDEAL SHIELD 168



SHIELD+ WEATHERPROOF ADHESIVE
BACKED ALUMINUM JACKETING

Product Description

Shield+ Ideal Shield 168 Insulation Jacketing system is a high performance 6-ply laminate that provides a total vapor barrier and complete moisture protection for insulation cladding and jacketing applications. Our unique design offers repositioning and easy installation.

Shield+ Ideal Shield 168 can be used as a UV and weather protectant for exterior duct insulation as well as bare metal ductwork. It delivers reliable performance in both indoor and outdoor new construction and retrofit applications.

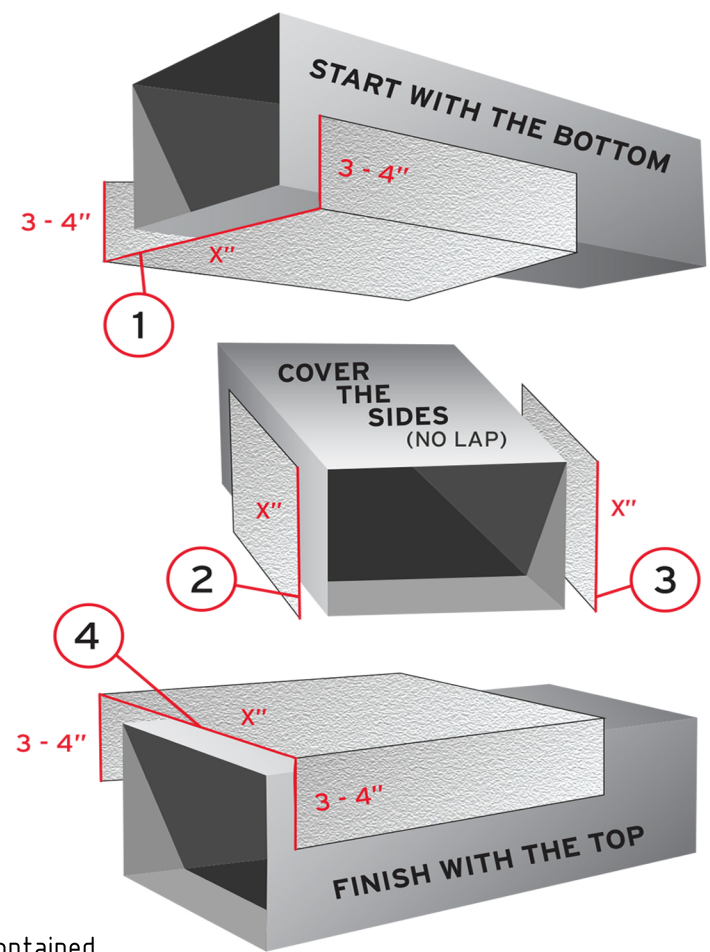


Peel back the width of your lap by a few inches, keeping the material as straight as possible as you begin installing.



Use the provided squeegee to rub down the lap as you proceed. Pull the paper back as you come across the bottom of the duct work, smoothing out the material as you apply.

HOW TO MEASURE:



Important Notice to User:

The technical information, recommendations and other statements contained in this document are based upon test or experience that Shield+ believes are reliable. Many factors beyond Shield+ control and uniquely can affect the use and performance of a Shield+ product in a particular application.

Shield+ warrants that product will be free from defects in material and manufacture for 1 year from the date of purchase.

Except where prohibited by law, Shield+ will not be liable for any loss or damage arising from the Shield+ product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.

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IDEAL SHIELD[®] 168

Ideal Shield 168 is a self-adhesive protective for outdoor application. It provides a total vapor barrier and complete moisture protection for use over thermal insulation on pipes, ducts and equipment. Our unique design offers repositioning and easy installation. Ideal Seal 168 is a high performance jacketing system that delivers savings in time, labor and costs.

Performance Features

- ✓ Ideal Shield 168 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
- ✓ Coast Guard Approval - USCG COA Number 164.112/160/0
- ✓ 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
- ✓ Available in three finishes: Aluminum Smooth, Aluminum Embossed, White Smooth*

Physical Properties	Value	Method
Product Thickness	Aluminum: 7.5mils (0.19mm) / Embossed Aluminum: 10 mils (.25mm) / White: 10.5 mils (.27mm)	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
Service Temperature	-70° F to 250° F	-
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	20/15 Flame/Smoke Rating	ASTM 84
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.