ROXUL

The Better Insulation

(wall and top of Hood)

Technical Product Infor

BOARD INSULATION
RHT 80
Architectural/OEM

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/06/16

General Product Information:

ROXUL products are mineral wool fibre insulations made from basalt rock and steel slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL mineral wool is a water repellent yet vapour permeable material. It absorbs water only when water is pressed or forced into the material and once the pressure is relieved, the water will evaporate without any loss of integrity to the material's shape or insulating properties.

All ROXUL products are certified to carry the Environmental Choice logo.

Description & Common Appli

The RHT 80 product is a non-combustib eral wool insulation board that is water repellent and delivers exceptional life cycle performance and value in a diversity of thermal, acoustic and fire protection applications. RHT 80's excellent moisture resistance, non-combustibility and dimensional stability make it the ideal choice for curtain wall applications. The product can be specified with confidence in a variety of building envelope designs, parking garages, acoustic and OEM applications.

Compliance and Performance

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IV, Complies
CAN/CGSB 51.10-92	Mineral Fibre Board Thermal Insulation	Type 1, Class 4
CSA Approval	New York City Approval	332-97-M
Fire Performance		
ASTM E 136	Behaviour of Materials at 750°C (1382°F)	Non-Combustible
CAN4 S114	Test for Non-Combustibility	Non-Combustible
UL 723	Surface Burning Characteristics	Flame Spread = 0
(ASTM E 84)		Smoke Developed = 0
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0
		Smoke Developed = 0
Maximum Service Temperature		
ASTM C 411	Hot Surface Performance	No Reaction @ 1200°F (650°C)
Dimensional Stability		
ASTM C 356	Linear Shrinkage	1.24% @ 1200°F (650°C)
Moisture Resistance		
ASTM C 1104	Moisture Sorption	0.04%
Corrosion Resistance		
ASTM C 665	Corrosiveness to Steel	Passed
ASTM C 795	For use with Austenitic Stainless Steel	No Reaction
ASTM C 871	Chemical Analysis	Passed
Thermal Resistance		
ASTM C 518 (C 177)	R-value @ 75°F (24°C)	4.2/inch
	k-value @ 75°F (24°C)	0.24 Btu.in/ft².hr.°F

Supersedes: 11 January 1999
Revised: 23 April 1999

W

Access Doors– High Temp

Access Doors For Round and Flat Duct Work

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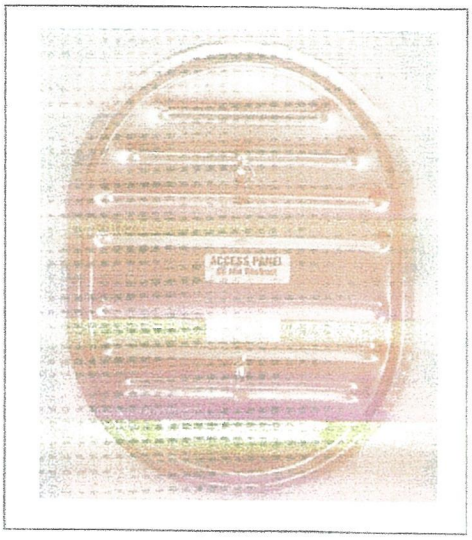
Specifications

- Tested to 20" w.g., with no leakage noted.
- Available in 10x6 and 16x12.
- Metal Thickness: 10x06 16 ga. Black iron
- 16x12 16 ga. Black iron
- Ceramic fiber rope (1,000° max) or ceramic fiber gasket (2,300°, Meets NFPA 96) ensures an air tight seal
- Zinc coated wing nuts are easily turned by hand
- Self adhesive template is provided for easy installation.
- Zinc coated conical springs installed between the inner and outer door.

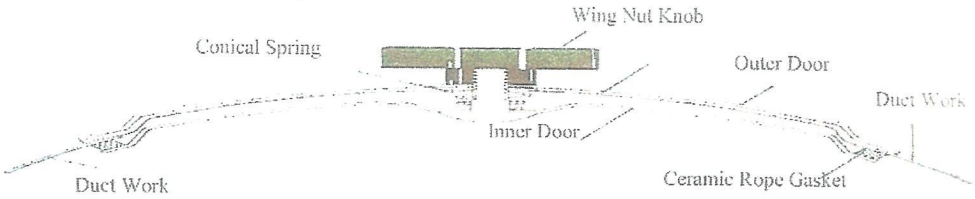


Packaging

- Access Doors are sold as single units.

Profile

- Available sizes: 10x06 Flat
  16x12 Flat
  10x06x 6" through 30"
  16x12x 18" through 60"



Installation Instructions

1. Adhere self adhesive template to ductwork.
2. Using a pair of sheet metal snips, cut out the template.
3. Unscrew knobs of door and insert into the opening
4. Tighten knobs.

C.L. WARD
& FAMILY INC.

SMACNA

888.973.7600
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3M Duct wrap

Fire Barrier Duct Wrap 615+

Duct Wrap Fire Protection System for Commercial Kitche and Ventilation Air Ducts

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/06/16

Product Data

CLASSIFIED UL — BATTS AND BLANKETS FOR USE IN FIRE RESISTIVE DUCT ASSEMBLIES SEE UL FIRE RESISTANCE DIRECTORY 6069

LISTED ULC — DUCT INSULATION 9069

LISTED Intertek — FIRESTOP SYSTEMS SEE INTERTEK DIRECTORY

LISTED Omega Point Laboratories — FIRESTOP SYSTEMS SEE INTERTEK DIRECTORY

1. Product Description

3M™ Fire Barrier Duct Wrap 615+ is a fire resistant wrap consisting of an inorganic fiber blanket encapsulated with a scrim-reinforced foil. The product is 1-1/2 in. thick, 6pcf density.[1] It is used to fire rate commercial kitchen grease ducts as well as ventilation ducts, and is a proven alternative to 1 or 2 hour fire resistant rated shaft enclosures. With its excellent insulating capabilities, low weight and thin profile, it is and ideal choice for a duct enclosure system. This non-asbestos wrap installs easily because of its high flexibility and strength.

Features

- Two-layer wrap for grease ducts rated as a shaft alternative per ASTM E 2336
- Zero clearance to combustible throughout the entire enclosure system for congested spaces
- One-layer wrap for fire-resistive ventilation ducts per ISO 6944
- High flexibility for installation ease
- Foil encapsulated for blanket protection, less dust, and high wrap strength
- Widest range of penetration seal systems

2. Applications

Two-layer applications of 3M™ Fire Barrier Duct Wrap 615+ meet the criteria of ASTM E 2336 'Standard Test Methods for Fire Resistive Grease Duct Enclosure Systems'.

3M™ Fire Barrier Duct Wrap 615+ as single-layer fire resistant wrap application has passed the ISO 6944 'Fire Resistance Tests – Ventilation Ducts'.

3M™ Fire Barrier Duct Wrap 615+ is an ideal fire resistive enclosure for commercial kitchen grease ducts and ventilation air ducts. It is a proven performance alternative to a 1 or 2 hour fire resistant rated shaft enclosures and provides zero clearance to combustible construction throughout the entire enclosure system. 3M™ Fire Barrier Water Tight Sealant 1000 NS, 3M™ Fire Barrier Water Tight Sealant 1003 SL or 3M™ Fire Barrier Water Tight Sealant 2000+ Silicone Sealants is used in combination with 3M™ Fire Barrier Duct Wrap 615+ to firestop the duct when the duct penetrates fire rated floors and walls.

3. Availability

Unit	Size	Quantity	Weight
Roll	24 in. x 25 ft. (60,9 mm x 635 cm)	1	45 lbs (20.4 kg)
Roll	48 in. x 25 ft. (121 cm x 635 cm)	1	90 lbs (40.8 kg)

4. Typical Physical Properties

Blanket Color	Weight
White	0.9 lbs./ft.^{2} (4.36 kg/m^2)

[1] In accordance with the tolerances in ASTM C 892 Standard Specification for High-Temperature Fiber Blanket Thermal Insulation.