3M™ Science. Applied to Life.™

3M™ VentureClad™ Insulation Jacketing System

Let's redefine the way we build.

Let's Build Smarter.

3M™ VentureClad™ Insulation
Jacketing System

Your most complex projects, simplified.

Productivity
Cost effective & efficient

Strength
Trusted durability

Performance
Zero permeability

Insulating a building's pipes and ducts is key to limiting undesired heat gain or loss, resulting in increased energy consumption. For insulation to remain effective, it is critical that it not be compromised by moisture intrusion. This can lead to decreased energy efficiency, performance issues, higher maintenance costs and corrosion under insulation.

So, we're redefining the way we build with a game-changing insulation jacketing system. 3M™ VentureClad™ Insulation Jacketing System helps you save time and labor costs with quick and easy installation and year-round application. Simplify your insulation process by using a zero permeability jacketing to help prevent moisture intrusion and corrosion. Experience the advantages of a durable, long-lasting solution for strength you can trust. We'll help you meet your most complex projects — and your biggest challenges — head-on.

Together, we can build smarter.

Redefine productivity.

- Quick and simple install with no specialized tools, no sharp edges, fasteners or banding
- Can be applied in temps as low as -10°F with service range of -40°F to 248°F
- Easily cut with standard scissors or utility knife
- Simple installation for reduced labor costs
- No glues, primers, activators or heat guns

Redefine strength.

- Highly resistant to punctures and tears
- Backed by a 10-year 3M warranty
- Durable, multi-ply laminate design
- Adhesion in cold, hot and humid conditions
- Easy to patch and repair

Redefine performance.

- Zero permeability, creating a moisture and vapor barrier
- Helps prevent corrosion and mold under insulation
- Excellent chemical resistance for protection in process areas
- Available in multiple colors, textures and sizes
- Proven, certified and compliant
  - UL 723 classified/ASTM E 84
  - Greenguard Gold Certified — Qualifies for LEED credits
  - FDA Compliant*

3M™ VentureClad™ Insulation Jacketing System

A variety of solutions built for your needs.

For Most Standard Applications			For Heavy-Duty Applications		
3M™ VentureClad™ Insulation Jacketing System 1577CW Series			**3M™ VentureClad™ Insulation Jacketing System 1579GCW Series**		
	White Smooth	1577CW-WM		White Smooth	1579GCW-WM
	White Embossed	1577CW-WME		White Embossed	1579GCW-WME
3M™ VentureClad™ Enhanced Metal Jacketing 1577 Series			**3M™ VentureClad™ Enhanced Metal Jacketing 1579 Series**		
	Silver Smooth	1577CW-EMJ		Silver Smooth	1579CW-EMJ
	Silver Embossed	1577CWE-EMJ		Silver Embossed	1579CWE-EMJ

Emittance Requirements: 1577CW-WM or 1577CW-WME
(White; Med.-High)/1577CW or 1577CW-E (Natural Aluminum; Low)

Excellent Chemical Resistance: 1577CW-WM/1577CW-WME or 1577CW-EMJ/1577CWE-EMJ or 1579CW-EMJ/1579CWE-EMJ

Certifications:

- UL 723 classified/ASTM E 84
- Greenguard Gold Certified – Qualifies for LEED credits
- CFIA
- FDA compliant*

* U.S. Federal Food, Drug, and Cosmetic Act and all applicable food additive regulations, including 21 C.F.R & 175.105

Product technical data. All products are classified as zero permeability.

Products	Product Thickness (excluding liner) mils (mm)	Peel Adhesion oz/in (N/25mm)	Tensile lb/in (N/25mm)	Puncture lb (N)	3M ID	Size	Case Qty
3M™ VentureClad™ Insulation Jacketing System – 1577 Series							
1577CW-WM White, Smooth	7 (0.18)	80 (22)	100 (27)	35 (156)	7100116999	4in x 50yd	4
					7100043741	23in x 50yd	1
					7100043716	35.5in x 50yd	1
					7100080388	46in x 50yd	1
1577CW-WME White, Embossed	9 (0.23)	80 (22)	100 (27)	35 (156)	7010379907	99mm x 13.7m	1
					7010376416	4in x 50yd	4
					7100043844	23in x 50yd	1
					7100043813	35.5in x 50yd	1
3M™ VentureClad™ Enhanced Metal Jacketing 1577 Series							
1577CW-EMJ Silver Smooth	7 (0.18)	80 (22)	100 (27)	35 (156)	7100308288	4in X 50yd	4
					7100310802	6in X 50yd	4
					7100311703	23in X 50yd	1
					7100311645	35.5in X 50yd	1
					7100311664	46in X 25yd	1
1577CWE-EMJ -Silver Embossed	9 (0.23)	80 (22)	100 (27)	35 (156)	7100311481	4in X 50yd	4
					7100311482	6in X 50yd	4
					7100311419	23in x 50yd	1
					7100311499	35.5in x 50yd	1
					7100311994	46in X 25yd	1
3M™ VentureClad™ Insulation Jacketing Tape System – 1579 Series							
1579GCW-WM - White, Smooth	15 (0.38)	100 (27)	130 (36)	57 (253)	7100197873	30in X 25yd	1
1579GCW-WME - White, Embossed	16 (0.40)	100 (27)	130 (36)	57 (253)	7010312453	46in X 25yd	1
3M™ VentureClad™ Enhanced Metal Jacketing 1579 Series							
1579CW-EMJ - Silver Smooth	15 (0.38)	87 (24)	184 (818)	57 (253)	7100312004	4in X 25yd	4
					7100311989	6in X 25yd	4
					7100312193	23in X 25yd	1
					7100311931	35.5in X 25yd	1
					7100312085	46in X 25yd	1
1579CWE-EMJ - Silver Embossed	16 (0.40)	73 (20)	184 (818)	57 (253)	7100311863	4in X 25yd	4
					7100311894	6in X 25yd	4
					7100311705	23in X 25yd	1
					7100311571	35.5in X 25yd	1
					7100312039	46in X 25yd	1

Products	3M ID	Size	Case Qty
Printed Squeegee - White	7010379157	2.75 in x 4 in	500
Printed Squeegee - White	7100232701	3 in x 6in	250

Learn how 3M's advanced technologies can help you build smarter. Visit 3M.com/VentureClad or contact your 3M representative.

3M

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Let's Build Smarter.