




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 labour 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.

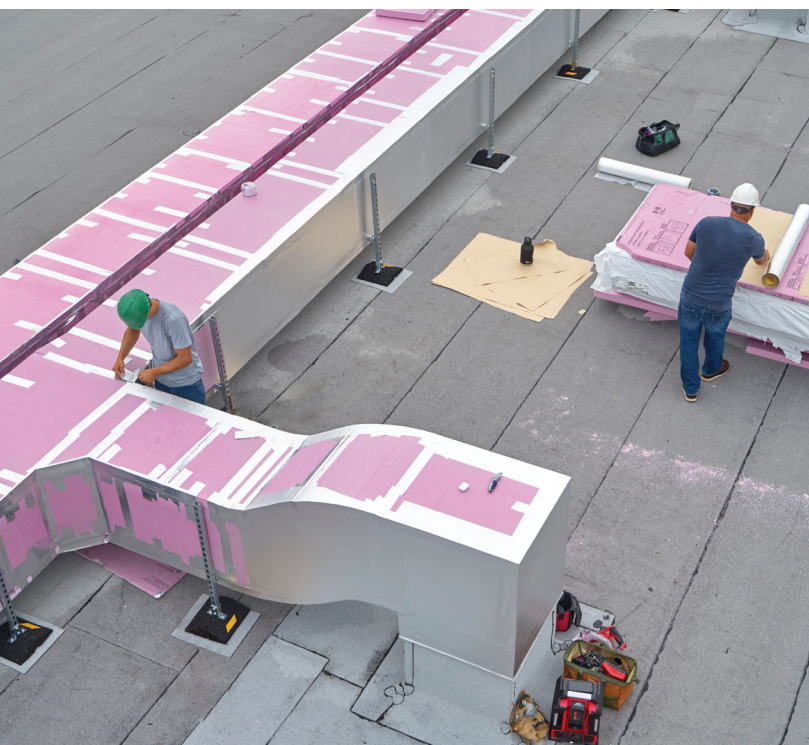


- Quick and simple install with no specialized tools, no sharp edges, fasteners or banding
- Can be applied in temps as low as -10 °F (-23 °C) with service range of -40 °F (-40 °C) to 248 °F (120 °C)
- Easily cut with standard scissors or utility knife
- Simple installation for reduced labour costs
- 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 vapour barrier
- Helps prevent corrosion and mould under insulation
- Excellent chemical resistance for protection in process areas
- Available in multiple colours, textures and sizes
- Proven, certified and compliant
  - UL 723 classified/ASTM E 84
  - Greenguard Gold Certified – Qualifies for LEED credits
  - FDA/CFIA 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 Aluminium; 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	102mm x 45.7m	4
					7100043741	584mm x 45.7m	1
					7100043716	902mm x 45.7m	1
					7100080388	1170mm x 45.7m	1
1577CW-WME White, Embossed	9 (0.23)	80 (22)	100 (27)	35 (156)	7010379907	99 mm x 13.7 m	1
					7010376416	102mm x 45.7m	4
					7100043844	584mm x 45.7m	1
					7100043813	902mm x 45.7m	1
3M™ VentureClad™ Enhanced Metal Jacketing 1577 Series							
1577CW-EMJ Silver Smooth	7 (0.18)	80 (22)	100 (27)	35 (156)	7100308288	102mm x 45.7m	4
					7100310802	152mm x 45.7m	4
					7100311703	584mm x 45.7m	1
					7100311645	902mm x 45.7m	1
					7100311664	1170mm x 45.7m	1
1577CWE-EMJ -Silver Embossed	9 (0.23)	80 (22)	100 (27)	35 (156)	7100311481	102mm x 45.7m	4
					7100311482	152mm x 45.7m	4
					7100311419	584mm x 45.7m	1
					7100311499	902mm x 45.7m	1
					7100311994	1170mm x 45.7m	1
3M™ VentureClad™ Insulation Jacketing Tape System – 1579 Series							
1579GCW-WM – White, Smooth	15 (0.38)	100 (27)	130 (36)	57 (253)	7100197873	762mm x 22.9m	1
1579GCW-WME – White, Embossed	16 (0.40)	100 (27)	130 (36)	57 (253)	7010312453	1170mm x 22.9m	1
3M™ VentureClad™ Enhanced Metal Jacketing 1579 Series							
1579CW-EMJ – Silver Smooth	15 (0.38)	87 (24)	184 (818)	57 (253)	7100312004	102mm x 45.7m	4
					7100311989	152mm x 45.7m	4
					7100312193	584mm x 45.7m	1
					7100311931	902mm x 45.7m	1
					7100312085	1170mm x 45.7m	1
1579CWE-EMJ – Silver Embossed	16 (0.40)	73 (20)	184 (818)	57 (253)	7100311863	102mm x 45.7m	4
					7100311894	152mm x 45.7m	4
					7100311705	584mm x 45.7m	1
					7100311571	902mm x 45.7m	1
					7100312039	1170mm x 45.7m	1



Products	3M ID	Size	Case Qty
Printed Squeegee – White	7010379157	70mm x 102mm	500
Printed Squeegee – White	7100232701	76mm x 152mm	250

Learn how 3M’s advanced technologies can help you build smarter. Visit [3M.com/VentureClad](https://3M.com/VentureClad) or contact your 3M representative.



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