

PRODUCT DESCRIPTION

VentureClad™ -Tedlar is a chemical resistant four-ply white laminate facing for insulation. Made with 2 layers of aluminium foil, a layer of polyester film, and an outer layer of Tedlar, coated with a special cold weather acrylic pressure sensitive adhesive system, it provides superior quick stick at normal temperatures with superior low temperature performance below freezing.

**PRODUCT FEATURES**

- High performance jacketing product performs well over a wide temperature range; -30°F to +300°F (-34°C to +149°C) service temperature;
- Venture CW® cold weather acrylic adhesive applies easily at temperatures as cold as -10°F (-23°C);
- Zero permeability, absolute vapour barrier;
- Facing for insulation in food plants and chemical plants;
- High chemical resistance;
- Contains tested and approved mould inhibiting agents;
- Self-adhesive material installs easily with no off-site fabrication required;
- Exceeds standard building design requirements (ASTM E84 15/5 Flame Spread/Smoke Rating);
- Meets requirements of FSIS Directive 5000.1, 9 CFR, Part 416 for USDA and FDA facilities and Department of Health and Human Services Construction Guide for Food Facilities.

PRODUCT CONFIGURATIONS

- Available in White;
- Standard widths: 23" (584mm);
- Standard length: 50 yards (45m);
- Custom widths and lengths available.

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VENTURECLAD™ TEDLAR

PRODUCT SPECIFICATIONS

Specification	Typical Value	Typical Value (Metric)	Test Method
Material Thickness	5.6 mils	142 µm	PSTC-133
Adhesive Peel Strength	55 oz/in	15.6 N/25mm	PSTC-101
Adhesive Shear Strength	>168 hours	>168 hours	PSTC-107
Tensile Strength	55 lb/in width	247.5 N/25mm	PSTC-131
Elongation	60%	60%	PSTC-131
Application Temperature Range	-10°F to 248°F	-23°C to 120°C	
Minimum Continuous Use Temperature	-30°F	-34°C	
Maximum Continuous Use Temperature	300°F	149°C	
Flame Spread/Smoke Developed	15/5	15/5	UL 723
Surface Flammability Using Radiant Heat	0	0	ASTM E 162
Specific Optical Density of Smoke	0	0	ASTM E 662
Water Vapor Permeability	0.0000 perms	0.0000 perms	ASTM E 96

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CHEMICAL RESISTANCE CHART

Chemical Resistance	1 Year Immersion at Room Temperature	2 Year Immersion at Boil	31-Day Immersion at 75°C (167°F)
Acids			
Acetic Acid (glacial)	X		X
Hydrochloric Acid (10% & 30%)			X
Hydrochloric Acid (10%)	X	X	
Nitric Acid (20%)	X		X
Nitric Acid (10% & 40%)			
Phosphoric Acid (20%)	X		
Sulfuric Acid (20%)	X		
Sulfuric Acid (30%)			X
Bases			
Ammonium Hydroxide (12% & 39%)	X		
Ammonium Hydroxide (10%)			X
Sodium Hydroxide (10%)	X	X	
Sodium Hydroxide (10% & 54%)			X
Solvents			
Acetone	X	X	
Benzene	X	X	
Benzyl Alcohol			X
Dioxane (14)			X
Ethyl Acetate			X
Ethyl Alcohol			X
n-Heptane	X		
Kerosene	X		
Methyl Ethyl Ketone			X
Toluene			X
Trichloroethylene			X
Miscellaneous			
Phenol	X		
Phenol (5%)			X
Sodium Chloride (10%)	X		
Sodium Sulfide (9%)			
Tricresyl Phosphate			

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