



TRUSTED PROTECTION

ProClad Technical Data Sheet



ProClad is a new type of non-metallic cladding system. This polyester based composite can be used over any type of insulation. Because of its inherent strength, **ProClad** is ideal in walk down areas of plants and is suitable for wash down areas. **ProClad** is easily installed with the use of the exclusive **ProClad** adhesive systems. This still gives great sealed overlaps that are extremely strong and water tight. This allows for greater assurance against corrosion-under-insulation (CUI).

Our unique molding techniques allow for very large shapes up to 30" diameter in two pieces. All of our fabrication techniques follow ASTM C-585 tolerance standards to assure proper fit over any insulation type.

Please call us or visit our website for any needs you may have.

FEATURES

- Comes in 2 ft wide or 3.2 ft wide
- Thicknesses from 1-2.5 mm
- Long Radius and Short Radius Elbows
- Standard colors are gray or white
- Custom color available on large quantities
- Easily installed indoor or outdoor
- Best in Class Fire Performance
- Meets ASTM E-84 25/50 Smoke and Flame requirement

BENEFITS

- Reduces CUI risk
- Easily handled
- Will not dimple like metal
- More resistant to foot traffic than metal
- Better chemical resistance
- Ideal for hot and cold systems
- Can be used with all types of insulation systems including Aerogel



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ProClad

Technical Data Sheet

PRODUCT DESCRIPTION

UV-Curable Glass fiber reinforced Polyester Cladding

Availability	• In Stock in rolls of 100 SF per roll.
Filler/Reinforcement	• Glass fiber and mineral filler
Features	• Fire retardant • Halogen Free • No SVHC's
Processing Method plaques	• Pre-formed, UV Cure Molding; data presented are cut from molded
Resin ID (ISO 1043)	• UP (GF+MD) 80 Unsaturated Polyester Composite

PHYSICAL

	Typical	Unit	Test
Density (molded)	2.02	g/cm ³	ISO 1183/A
Water Vapor Permeability	< 15	ng/(Pa-s-m ²)	ASTM E96

Barcol Hardness 61 Barcol

FLAME

	Typical	Unit	Test
Flame Spread, max	25 (5 Actual)	Index	ASTM E84-15b
Smoke Developed, max	50 (40 Actual)	Index	ASTM E84-15b

MECHANICAL

	Typical	Unit	Test
Tensile Modulus	2.5E+6 (17,200)	psi(MPa)	ASTM D638
Tensile Stress (Break)	8000 (55)	psi(MPa)	ASTM D638
Tensile Elongation	1.4	%	ASTM D638
Flexural Modulus	1.4E+6 (9,380)	psi (MPa)	ASTM D-790
Flexural Stress (Break)	18,000 (125)	psi (MPa)	ASTM D-790
Compressive Strength	16,000 (110)	psi (MPa)	ASTM D-3410

IMPACT

	Typical	Unit	Test
Izod Notched Impact Strength 73°F (23°C)	13(700)	ft-lb/in (J/m)	ASTM D256
Unnotched Izod Impact Strength 73°F (23°C)	23(1230)	ft-lb/in (J/m)	ASTM D4812

THERMAL

	Typical	Unit	Test
Heat Deflection 264 psi (1.8 MPa)	>392 (>200)	°F (°C)	ISO 75-2/AF

* **PROCLAD** will not decompose and will remain stable in ambient conditions from -20 C — +70 C and RH less than 95%

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