



Fibaroll FR M1 is a new type of non metallic cladding system. Based upon isophthalic polyester resin and chopped fibers, this system is unique in that it arrives flexible and pliable for installation, but hardens with UV light to a very tough and durable cladding. The other benefit to this system is that no additional mechanical fastening systems are required. Only a knife to cut and a roller to pressure seam the edges are required. Fibaroll FR M1 is unique in that once the seams are overlapped and rolled, the UV curing forms a chemical bond at the seams which is extremely strong and water tight. This allows for greater assurance against corrosion-under-insulation (CUI).

### **FEATURES**

- Comes in 2 ft wide or 3.2 ft wide
- 32 foot per roll
- Thicknesses from 1-2 mm
- Standard colors are Gray or White (but specific colors can be requested if volume is high enough)
- 20 rolls per pallet
- Can be installed in temperatures from -15 to 120 F
- Meets ASTM E-84 25/50 Smoke and Flame requirement

### **BENEFITS**

- Reduces CUI risk
- Easily handled
- Allows for Pre-fabricated vessels
- 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



FTI-US  
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FibaRoll™ FibaClad™ FibaShield™

### Physical Properties

Typical Physical Properties	Units	Value	Method
Tensile Strength	Ksi	10.2	ASTM D3039
Tensile Elongation at Break	%	1.25	ASTM D3039
Flexural Strength	Ksi	20.7	ASTM D790-03
Flexural Elongation at Break	%	3.4	ASTM D790-03
Compressive Strength	Ksi	20	ASTM D695
Compressive Modulus	Ksi	250	ASTM D695
Impact Resistance (Izod)	ft-lbs/in	13.3	ASTM D256-06
Barcol Hardness	Barcol	71	ASTM D2583
Water Vapour Permeability	g/(m <sup>2</sup> .h.mmHg)	0.012	ASTM E96:2000
Max Service/Operating Temp	Deg °F	250	
Heat Distortion Temp	Deg °F	>460	ASTM D648
Flame Spread ASTM E84	index	15	ASTM E84
NFP 92-501 Epiradiateur Test	index	M1	NFP 92-501

1 Ksi = 1000 pounds per square inch (psi)



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