

**Membranes and Jacketing - Product Matrix**

		THICKNESS	PERM RATING	Exterior Cladding	Interior Cladding	Low Temp Installation	Self Healing	Puncture Resistance	Vapor Barrier Exterior	Vapor Barrier Interior	Direct Burial Application	Notes:
Cladding Products	<b>Alumaguard</b> Rubberized Asphalt, Self-Healing Weather Barrier, Natural Foil Facing	55-60 MILS	0.0000	1	3	3	1	1	1	3	3	Exterior self-healing - Not 25/50 rated
	<b>Alumaguard Cool Wrap</b> Rubberized Asphalt, Self-Healing Weather Barrier, White in color, high emissivity/reflectivity coated	55-60 MILS	0.0000	1	3	3	1	1	1	3	3	Exterior self-healing - Not 25/50 rated
	<b>Alumaguard All Weather</b> Hybrid Acrylic/Rubberized Asphalt Low Temp. Installation Weather Barrier natural foil faced	35-38 MILS	0.0000	1	3	1	2	1	1	3	3	Exterior self-healing - Not 25/50 rated
	<b>Alumaguard All Weather Cool Wrap</b> Hybrid Acrylic/Rubberized Asphalt Low Temp. Installation Weather Barrier White high emissivity/reflectivity coated	35-38 MILS	0.0000	1	3	1	2	1	1	3	3	Exterior self-healing - Not 25/50 rated
	<b>Alumaguard Lite</b> Vapor & Weather Barrier with Acrylic Adhesive, natural foil face, stucco Embossed or smooth	7 MILS	0.0000	2	1	1	N/A	2	1	1	N/A	Interior/Exterior 25/50 light abuse
	<b>Alumaguard Lite White</b> Vapor & Weather Barrier with Acrylic Adhesive, natural foil face	7 MILS	0.0000	2	1	1	N/A	2	1	1	N/A	Interior/Exterior 25/50 light abuse
	<b>Alumaguard Lite Cool Wrap</b> Acrylic Adhesive Perfect Barrier Vapor & Weather Barrier, White high emissivity/reflectivity coated	8 MILS	0.0000	2	1	1	N/A	2	1	1	N/A	Interior/Exterior 25/50 light abuse
Vapor Barriers	<b>ZeroPerm &amp; ZeroPerm-A</b> Multi layer laminate with 1 MIL foil, silver on one side, bright white on the other - Reversible; with or without adhesive	2.4 MILS	0.0000	N/A		1	N/A	2	3	1	N/A	Zero Perm for under jacket Cold System Vapor Barrier
	<b>Insulrap 30-NG SMOOTH</b> Rubberized Asphalt, self-healing Vapor Barrier, smooth, white in color	30 MILS	0.0000	N/A		2	1	1	N/A	2	N/A	Zero Perm, Self Healing, under jacket
	<b>Insulrap 30-SJ-NG</b> Rubberized Asphalt, self-healing Vapor Barrier with recessed scrim reinforcement, white in color	30 MILS	0.0000	N/A		2	1	1	N/A	2	N/A	Zero Perm, Self Healing, scrim reinforced; under jacket
	<b>Insulrap 50-NG Smooth</b> Rubberized Asphalt, self-healing Vapor Barrier, for direct burial black in color	50 MILS	0.0150	N/A		2	1	1	N/A	2	2	Direct burial or under jacket
	<b>Insulrap 50-SJ-NG</b> Rubberized Asphalt, self-healing Vapor Barrier with recessed scrim reinforcement, black in color, for direct burial	50 MILS	0.0000	N/A		2	1	1	N/A	2	1	Direct burial or under jacket, Scrim Reinforced membrane
	<b>Insulrap 'No Torch' 125-NG</b> Heavy duty 3 layer black scrim, rubberized asphalt/foil-polyethylene/rubberized asphalt/foil-scrim-PET, for direct burial	125 MILS	0.0000	N/A		3	1	1	N/A	3	1	Normally used on buried steam lines
Accessory Items	<b>Insulshield</b> Rock shield for buried Insulrap, protection against dirty backfill	15 MILS	N/A					N/A				Puncture Resistance for dirty backfill situations
	<b>OuterWrap</b> Soil stress slip-sleeve for buried Insulrap products	2 MILS	N/A					N/A			1	Soil Stress Relief >10" OD
	<b>VaporGuard</b> Self adhesive butyl sealant for use in Vapor Stops, Expansion Joints, and terminations on ammonia systems.	25 MILS	N/A	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	Available in 1-1/4" and 12" widths. See data sheet for detail drawings of proper use.

1 = BEST

2 = GOOD

3 = NOT RECOMMENDED