

CUT & ROLL JACKETING

PRODUCT DESCRIPTION

Ideal Products' Cut and Roll Jacketing is produced from both aluminum and stainless steel, meeting ASTM B-209 and ASTM A-240 standards. The Cut and Roll Jacketing can come with combinations of coatings, finishes, and moisture barriers, depending on your specifications and application. Cut & Rolled jacketing is typically used for protecting the insulation applied on straight pipe runs.

Ideal Products C&R is produced on patented ACR (Automated Cut & Rolled) technology from large master coils and rolled to form on standard and custom circumferences. Standard circumferences are formed according to ASTM C585 dimensional standards. With ACR technology Ideal Products cut & roll is produced to extremely low tolerances of +/- 0.0001" thus ensuring precision fit.

PRODUCT APPLICATION

Ideal Products Cut & Roll jacketing is mainly used for the cladding of small to large diameter straight pipe insulation systems, where Protection, Productivity, and Safety is important. The jacketing provides physical damage resistance, UV protection, and water shed to help prevent moisture from entering the insulation system. When oxidation and greater levels of corrosion resistance are desired, Ideal Products recommends using its Paint coated aluminum or one of T-304 and T-316 Stainless Steel grades in accordance with ASTM C1729 or C1767. Various colors and coatings are available to also reach specific emissivity levels.

Ideal Products Cut & Roll jacketing is produced from various types of Aluminum and Stainless Steel, with several types of grades, coatings, and moisture barriers designed for specific applications (See Table 1). Typical alloys for Aluminum are 3105 & 3003, while Stainless Steel is produced from T-304 or T-316. Various gauges are available depending on the application, in which the recommended minimum thicknesses for each are outlined within the tables (Table 2 & 3) of this document as per ASTM C1729 & C1767.

For a Safer, Smarter, Faster, alternative, at no extra cost, Ideal Products highly recommends using SafetyJacs®. This is Ideal Products' newest standard in Cut & Roll Jacketing.

PHYSICAL PROPERTIES

FINISHES

SMOOTH PLAIN MILL | STUCCO EMBOSSED | CROSS CRIMP

FLAMMABILITY

Stainless Steel and Aluminum Jacketing with and without a 3 mil Polyfilm moisture barrier have been tested for flammability using the industry standard ASTM E84 test method. All results were 25/50 or less Flame Spread/Smoke Development.

AVAILABLE COATINGS AND MOISTURE BARRIERS

table one

COATINGS		MOISTURE BARRIERS	
ALUMINUM	STAINLESS STEEL	ALUMINUM	STAINLESS STEEL
Bare	Bare	Bare	Bare
Painted		Painted	
		Polyfilm	Polyfilm

RECOMMENDED APPLICATION THICKNESSES

ALUMINUM PIPE JACKETING *min. thickness*

table two

OUTER INSULATION DAIMETER (in)	MIN. ALLOWABLE THICKNESS (in)	
	RIGID insulation	NON-RIGID insulation
≤ 8	0.016	0.016
over 8 – 11	0.016	0.020
over 11 – 24	0.016	0.024
over 24 – 36	0.020	0.032
over 36	0.024	0.040

STAINLESS STEEL PIPE JACKETING *min. thickness*

table three

OUTER INSULATION DAIMETER (in)	MIN. ALLOWABLE THICKNESS (in)	
≤ 8	0.010	
over 8 – 11	0.010	
over 11 – 24	0.010	
over 24 – 36	0.016	
over 36	0.020	

SURFACE EMITTANCE

In accordance with ASTM C1729 & C1767

COLORS

A large variety of colored exterior finishes can be added to Cut & Roll Jacketing for desired preferences or to reach specific emissivity levels. Please refer to Ideal Products standard color chart for reference. Other colors are available upon request.

Safer. Smarter. Faster.

