

CUT & ROLL JACKETING

SAFETYJACS®



PRODUCT DESCRIPTION

SafetyJacs® C&R (Cut and Rolled) is Ideal Products' newest standard for cut to length jacketing, produced from both aluminum and stainless steel meeting the requirements of ASTM A240 and B209 standards. SafetyJacs® are manufactured with innovative patented technology that produces the cut to length jacketing with extremely low tolerances of +/- 0.0001". The leading edge incorporates a 1/2" folded hem, while also having all circumferential edges deburred. SafetyJacs® have been designed with both Safety & Profitability in mind for all users. With the 1/2" hem and factory deburred edges, this greatly reduces the potential of cuts and lacerations when handling. The 1/2" hem on the longitudinal edge also provides more rigidity reducing the amount of workmanship required to install when a "fish mouthing" effect often occurs on various types of insulation, thus increasing Productivity and Profitability.

PRODUCT APPLICATION

Ideal Products SafetyJacs® are mainly used for the protection of small to large diameter straight pipe insulation systems, where Safety is a main concern for the job site, and Profit is important on a project. 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.

SafetyJacs® are 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.

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 DAIEMETER (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 DAIEMETER (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 & 1767

COLORS

A large variety of colored exterior finishes can be added to SafetyJacs® 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.

CANADA 1.800.299.0819 | USA 1.888.877.7685 | WWW.IDEALPRODUCTS.CA

