



Technical Standards for Insulation – Aluminum – Ideal Products

Category	Short Description	Standard	Comment (Optional)	Web URL
Composition	Standard for Aluminum and Aluminum-Alloy Sheet and Plate	ASTM B209	Raw material properties, dimensional tolerances, alloys, tempers, and tensile strength	
	Tolerances for Mill Products	ANSI H35.2		
Physical Properties	Aluminum Jacketing for Insulation	ASTM C1729	Straight jacketing, Vessels, Some fittings	
	Emissivity	ASTM C1371	Test Method	
	Selection of Jacketing Materials for Insulation	ASTM C1423	Provides guidance to specifiers in selecting jacketing materials and their safe use	
	Pencil Hardness Test	ASTM D3363	Test Method	
Corrosion Under Insulation (CUI)	WVTR (Water Vapor Transmission Rate)	ASTM F1249	Test Method - Moisture Barrier Only	
Fire	Surface Burning Characteristics	ASTM E84	Particular to products with Polyfilm Moisture Barriers	