

ALUMINUM CROSS CRIMP JACKETING

ROLLED JACKETING — CROSS CRIMP FINISH

PRODUCT DESCRIPTION

Ideal Products® Aluminum Roll Jacketing with Cross Crimp Finish is manufactured from 3003 and 3105 series aluminum in accordance with ASTM B209 and ASTM C1729.

The cross crimp finish consists of a mechanically formed rib pattern that enhances structural integrity and long-term durability of mechanical insulation cladding systems. This finish provides added rigidity while accommodating normal thermal expansion and contraction within piping and equipment systems.

Cross crimp jacketing is available in 3/8" and 3/16" rib spacings to align with regional preferences and project specifications.

PRODUCT A APPLICATION

Ideal Products® Aluminum Roll Jacketing with Cross Crimp Finish is intended for use in mechanical insulation cladding applications including straight pipe, fittings, vessels, and equipment.

The material can be cut and rolled to fit around straight pipe, bends, and tanks, or fabricated into components such as elbows, end caps, tank heads, and gored fittings.

The rib pattern runs parallel to circumferential laps once installed, providing reinforcement around the pipe while maintaining a clean and consistent finished appearance.

Finish selection, including rib spacing, is typically determined by project requirements and purchaser preference.

For complete material requirements and thickness recommendations, refer to ASTM C1729.

PHYSICAL PROPERTIES

FINISHES

Cross Crimp – 3/8" Rib Spacing | Cross Crimp – 3/16" Rib Spacing

COLOURS

A variety of painted exterior finishes may be applied where higher emissivity, corrosion resistance, or color identification is required. Please refer to Ideal Products standard color chart. Custom colors are available upon request.

RECOMMENDED APPLICATION THICKNESSES

ALUMINUM PIPE JACKETING *min. thickness*

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

*As per ASTM C1729

MATERIAL SPECIFICATIONS

ALLOYS	3003, 3105
TEMPERS	H12, H14, H24
THICKNESSES	0.016", 0.020", , 0.024", 0.032", 0.040"
MOISTURE BARRIERS	Available with various moisture barrier options including factory-applied polyfilm or other specified systems
MELTING POINT	660 °C (1220 °F)
ASTM E84	Flame Spread / Smoke Development 25/50 or less
ASTM C1371	Surface Emittance Bare oxidized in-service: 0.1

COMPLIANCE

Manufactured in accordance with the material, thickness, and performance requirements of ASTM C1729. Corrugation pitch and depth supplied per manufacturer–purchaser agreement.

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CROSS CRIMP PROFILES

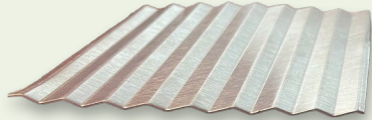
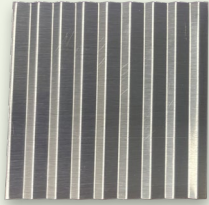
3/8TH PROFILE

3/8TH PROFILE

Wider rib spacing.
Higher structural rigidity.

PROFILE DIAGRAM

3/8th Profile (Wider Pitch)



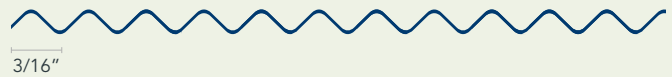
3/16TH PROFILE

3/16TH PROFILE

Tighter rib spacing.
Increased flexibility while maintaining strength.

PROFILE DIAGRAM

3/16th Profile (Tighter Pitch)



Disclaimer: Profile illustrations shown are representative only. Actual corrugation dimensions may vary by manufacturing equipment and location. Please contact Ideal Products for specific profile measurements.



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