

STAINLESS STEEL ROLL JACKETING



PRODUCT DESCRIPTION

Ideal Products' Stainless Steel Jacketing is produced from T-304 and T-316 stainless steel, meeting ASTM A-240 standards. Stainless Steel Jacketing has extensive corrosion resistive properties and a high resistance to heat making it useful for high heat/high corrosion areas. Ideal Products' Stainless Steel Roll Jacketing has a soft-annealed temper, making it easy to handle and fabricate. The exterior of the Stainless Steel Roll jacketing is a 2B Mill finish for a clean look. The interior of Stainless Steel Roll Jacketing either bare, or with a 3 mil thick co-extruded Polyethylene moisture barrier.

PRODUCT APPLICATION

Stainless Steel Roll Jacketing is mainly used to provide physical damage resistance, corrosion resistance, fire resistance, UV protection, and to help prevent liquid water from entering the insulation system. Typical but not limited to applications include: piping, tanks, vessels, and other mechanically insulated or non-insulated equipment.

PHYSICAL PROPERTIES

FINISHES

SMOOTH 2B MILL

The No. 2B finish is a general purpose cold rolled finish. Generally a standard finish with a dull smooth look, while also providing the best suit for water shed.

STUCCO EMBOSSED

A stucco embossed finish is attained by the processing of natural mill finish material via embossing rollers. It offers a surface that diffuses light reducing glare and reflectivity. It is generally used in the applications to add rigidity, or for reducing the surface reflectivity. The maximum thickness stucco embossed stainless steel comes in is .016".

CROSS CRIMP

This finish consist of 3/16" deep corrugation across the width of the material. This cross crimping serves to further strengthen the metal to protect from damages caused in high traffic areas. This finish can be added on top of either of the other finishes (smooth or stucco embossed).

STAINLESS STEEL PIPE JACKETING *min. thickness*

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

MATERIAL SPECIFICATIONS

ALLOYS	Grade 1 (T304/T304L), Grade 2 (T316/T316L)
TEMPERS	Annealed
THICKNESSES	0.010", 0.016", 0.020"
MOISTURE BARRIERS	Bare or factory applied co-extruded 3 mil Polyethylene Film
MELTING POINTS	T-304: 1400 °C – 1450 °C (2552 °F – 2642 °F) T-316: 1370 °C – 1400 °C (2498 °F – 2552 °F)
ASTM A 240	Standard Specification for Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for General Applications
ASTM C 1767	Standard Specification for Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for General Applications
ASTM E84 Flame Spread/ Smoke Development	25/50 or less
ASTM C1371 Surface Emittance	Smooth Bare: 0.3

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