

## **DESCRIPTION/SPECIFICATIONS**

RPR Products Insul-Mate Stainless Steel Roll Jacketing is manufactured from T304 and T316 prime grade Austenitic stainless steel with a regular 2B mill finish for flatness and reduced glare. The yield strength is 30,000 PSI, the tensile is 75,000 PSI. For easy field fabrication, Insul-Mate Stainless Steel Jacketing is supplied in the annealed or soft condition. T304 is normally used except in the most corrosive areas where T316 is justified. Both T304 and T316 Stainless Steel are described in ASTM A-240. Both T304 and T316 Insul-Mate Stainless Steel Roll Jacketing meet ASTM A240 and A666 standards.

RPR Products Insul-Mate Stainless Steel Jacketing has a melting point of approximately 2500 F. Stainless Steel offers the best fire protection of all metals.

THICKNESS	.010", .016", .020", .024", .032", .040", .050"
WIDTH AND DESCRIPTION	Rolls and flat sheets 36" through 48", 1-1/4 and 2.67" Deep corrugated sheets -33"; 4" x 1" Box Rib -27-1/2", 38-1/2".

## **FINISH**

Insul-Mate Stainless Steel jacketing is available in several finishes which include smooth, stucco embossed and in the lighter gauges, 3 1/6" corrugated. The stucco embossed finish on Stainless Steel Jacketing reduces glare from sunlight, adds strength and has more potential for masking application fingerprints, scratches, dents and other minor surface blemishes.

## **APPLICATIONS**

The primary use of Insul-Mate Stainless Steel sheet and jacketing is for hostile environments such as the pulp, paper, textile, refinery and Petro-Chemical applications.

## **MOISTURE RETARDER**

Insul-Mate stainless steel jacketing is supplied with a moisture retarder, consists of 40-pound kraft paper coated with 1-1/2 mil thick, low density polyethylene film, heat and pressure bonded to the interior surface. This moisture retarder prevents galvanic corrosion caused by contact of dissimilar metals in the presence of moisture, and also chemical corrosion caused by certain insulation materials when the sheets are installed over moist insulation materials.

For increased galvanic and corrosion protection, 3 mil Poly-Surlyn\* moisture retarders are available.

\*Surlyn -A DuPont trademark.