



STAINLESS STEEL WITH POLYSURLYN

Stainless-Steel Roll Jacketing is manufactured from AISI-304, AISI-304L, AISI-316 AND AISI-316L prime grade Austenitic stainless steel with regular 2B finish for flatness and reduced glare. The yield strength is 30,000/45,000 PSI, the tensile strength is 75,000/100,000 PSI. For easy field fabrication, Stainless Steel Jacketing is supplied in the annealed or soft condition. AISI-304 AND AISI-304L is normally used except in the most corrosive areas where AISI-316 AND AISI-316L is justified. All AISI-304, AISI-304L, AISI-316 AND AISI-316L Stainless steel are described in ASTM A-240.

Stainless Steel Jacketing has a melting point of approximately 2500°F. Stainless Steel offers the best fire protection of all metals used for metal jacketing.

THICKNESS	0.25mm,0.3mm,0.4mm,0.5mm,0.6mm,0.8mm, 1mm, 1.2mm
WIDTH AND DESCRIPTION	Rolls and flat sheets 24" through 48", 1/4" and 3/4" deep Corrugated sheets – 33", 4" x 1" Box Rib – 28", 38-1/2"

MOISTURE BARRIER

For increased galvanic and corrosion protection, Stainless Steel jacketing can be supplied with a moisture barrier, with an integral, continuously heat sealed Polysurlyn moisture barrier heat and pressure bonded to the interior surface. Polysurlyn shall be a 3.0 mil (76.2 µm) coextrusion of Dupont's Surlyn and polyethylene. This moisture barrier prevents galvanic corrosion caused by contact of dissimilar metals in the presence of moisture, and also chemical 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 damp insulation materials.

Polykraft is also available as a moisture barrier if specified in place of Polysurlyn.

APPLICATIONS

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

STAINLESS STEEL CHARACTERISTICS

AISI-304: Most widely used steel type. 304 is known for good corrosion resistance, thermal resistance, low-temperature strength and mechanical properties. 304 have good draw ability such as deep drawing and bending. 304 is not hardened by heat treatment. (non-magnetic, usable temperature: -196~800°C)

AISI-316: Excellent corrosion resistance, pitting corrosion resistance and high temperature strength by adding Mo. Useful in severe/harsh conditions. Excellent work hardening (non-magnetic).

AISI-316L: Low carbon steel type. Has the normal properties of 316 plus excellent inter-granular corrosion resistance.

DISCLAIMER

These data sheets are based on specifications, data and test results at time of publication. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability for an intended use is the responsibility of the user. As choice of material, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages.