

DESCRIPTION

ITW's Painted Aluminum Roll Jacketing has a baked-on finish of highly durable, hard film acrylic or polyester paint for aesthetic beauty, color-coding and corrosion protection of piping, vessels and tanks.

The special coatings used on ITW's jacketing are chalk and fade resistant. It exhibits better resistance to oxidation and to the effects of various corrosive environments than mill aluminum. It resists water and fingerprint staining.

Painted Aluminum Jacketing is manufactured using alloys 3003 or 3105 conforming to ASTM B-209 designation, hard temper (H14).

Standard colors are white, gray and clear coated (Childers Acy 9). White, the most popular color, is stocked in the most commonly used gauges.

Due to painted aluminum's excellent emittance values, it can improve personnel protection on hot piping and equipment and insulation efficiencies on cold piping and equipment outdoors.

White aluminum is strongly recommended for all cold applications on roof tops. Ambient roof top conditions are generally more severe, and consequently insufficient thicknesses of insulation are often used. The superior emittance value of painted aluminum will improve insulation efficiency and provide additional corrosion protection.

Other colors and/or paint systems are available upon request. Extended lead times and minimum quantities may apply.

POLYSURLYN MOISTURE RETARDER

Polysurlyn consists of a 3 mil thickness of a co-extrusion of polyethylene and DuPont's Surlyn® which is heat laminated to the metal jacketing. Due to its superior performance characteristics, it replaces the old standard 1 mil and 3 mil polykraft moisture retarders. **For cold rooftop and hot work cyclical applications, refer to Technical Information for recommendations.**

RECOMMENDED USES

Jacketing is recommended for insulated piping, tanks, and vessels less than 8 feet in diameter. Deep corrugated sheets are recommended for diameters greater than 8 feet.

Thickness (Inches)

Suggested Applications

.016"
(.4mm)

Smooth or 3/16" corrugated recommended on pipelines up to 24" O.D. including insulation.

.020"
(.5mm)

Primarily used for Deep Corrugated Sheets (1-1/4" or 2-1/2") to protect insulated towers, tanks and vessels. A heavier weight jacketing used smooth or 3/16" corrugated on large diameter lines. Most popular for use in areas subject to heavy traffic and abuse.

.024"
(.6mm)

Used for special application where extra strength and protection is required. It may be deep corrugated for towers, vessels, tanks and equipment.

.032"
(.8mm)

.040"
(1mm)

Emittance Values of Standard Colors

<u>Color</u>	<u>Normal emittance</u>	<u>Hemispherical emittance</u>
White	.83	.80
Gray	.85	.81
Clear Coated Acy 9	.54	.53
Mill Finish <i>unpainted</i>	.04 (<i>bright new</i>)	