



DESCRIPTION

ITW's Deep Corrugated Sheets are available in Aluminum, Stainless Steel and Painted Aluminum. They provide protection for insulated equipment, towers, vessels and tanks with outside diameters of 8' or more.

Aluminum Deep Corrugated Sheets are supplied in five thicknesses: .016", .020", .024", .032", and .040". Stainless Steel Deep Corrugated Sheets can be supplied in .010", .016", .020", and heavier thicknesses.

Deep Corrugated Sheets are available in 1-1/4" (30mm) and 2-1/2" (64mm) corrugations. The 1-1/4 corrugations have a depth of 1/4", and the 2-1/2 corrugations have a depth of 5/8". They are available in a smooth finish, painted, or stucco embossed pattern. They are specifically designed for weather-proofing insulation on vertical tanks and vessels, as well as providing mechanical abuse protection for the insulation.

Aluminum Deep Corrugated Sheets are supplied in alloys conforming to ASTM B-209 designation, and Stainless is supplied in Type 304 or Type 316 alloy.

Installation procedures are available in the National Commercial and Industrial Insulation Standards, published by the Midwest Insulation Contractors Association and endorsed by the National Insulation Association.

Note: for large flat surfaces such as boiler-walls and precipitators, 4" x 1" Box Rib profile is recommended.

RECOMMENDED USES

The metal used to fabricate Deep Corrugated Sheets must be selected for the specific environmental requirements.

Chemical Plants and Refineries:

Distillation columns, tank farms, fractionation units, cokers and ethylene production units.

Paper Mills:

Chemical storage tanks, breechings and ducts.

Steel Mills:

Pickle acid tanks, oxygen production units, fuel oil and tar storage tanks.

Miscellaneous:

Food processing plant, LPG storage units, LNG storage units, sewage and waste water treatment plants.

POLYFILM MOISTURE RETARDER

Polyfilm 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.**

- (1) Available thicknesses: Aluminum .016", .020", .024", .032", .040"; Stainless Steel .010" through .024".
- (2) Available alloys: Aluminum conforming to ASTM B-209 designation. Stainless Steel T-304, T-316.
- (3) Available metals: Aluminum, Stainless Steel and Painted Aluminum.
- (4) Standard lengths: Up to 12'
- (5) Standard widths: 33" **nominal**

2-1/2" profile is best suited for thicker gauges:
 suggested minimum thickness aluminum: .024"
 suggested minimum thickness stainless steel: .016"

Note: when ordering replacement sheets for an existing installation - contact your sales representative or customer service for information required.