

DESCRIPTION

ITW's Galvalume® roll jacketing is manufactured from low carbon cold rolled steel that has a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces for resistance to corrosion. The aluminum-zinc alloy coating provides both the long term corrosion resistance of aluminum along with the galvanic protection of zinc at scratches and cut edges. The special coating is composed of 55% aluminum, 1.6% silicon, and 43.4% zinc. The finished sheet has yield strength of 38,000-53,000 psi, a tensile strength of 50,000-65,000 psi, 20-36% elongation, and a hardness of 50-65 HRB.

ITW's Galvalume roll jacketing is available in a smooth finish or a stucco embossed pattern. Either may be supplied with 3/16" corrugations. 1-1/4" and 2-1/2" deep corrugated sheets are also available upon request.

RECOMMENDED USES

Galvalume roll jacketing is primarily used as a thermal insulation jacketing over piping and equipment when the design considerations require greater fire resistance than that offered by aluminum, but at a cost that is less than stainless steel.

Galvalume roll jacketing is not recommended for harsh acidic chemical environments. **It should not be allowed to come into contact with lead, copper or water run-off from any copper source.**

ADVANTAGES

Galvalume roll jacketing outlasts regular galvanized steel in marine salt spray and industrial atmospheres for a longer lasting installation. Since it can be used at temperatures up to 600°F (315°C) without discoloration, and up to 1250°F (677°C) without heavy oxidation or scaling, it provides superior fire resistance and protection compared to aluminum.

The special alloy coating of aluminum and zinc combines the best properties of both metals; it has the corrosion resistance, high temperature oxidation resistance, and heat reflectivity of aluminum with the formability and galvanic protection of cut edges characteristic of zinc.

SUGGESTED SPECIFICATION

All insulation shall be weatherproofed with ITW's Galvalume jacketing. The jacketing is to be manufactured from low carbon cold rolled steel having a continuous hot dipped aluminum-zinc alloy coating applied to the outer surfaces, and the finish shall be smooth or stucco-embossed, and/or 3/16 inch corrugated. All jacketing shall have an integrally bonded moisture barrier over the entire surface in contact with the insulation. A thickness of .016 inch shall be used on piping, tanks and equipment.

(Galvalume is a registered trademark of BIEC International, Inc.)