

DESCRIPTION

JM'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.

JM's Galvalume roll jacketing is available in a smooth finish or a stucco embossed pattern. Either may be supplied with 3/16" corrugations. 1¼" and 2½" 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 JM'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.)

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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit www.jm.com/terms-conditions or call (800)654-3103.