Aluminised Steel Type 1

Product Description/ Specification:

Aluminised steel Type 1 is a continuous hot dip coated on both sides with an Aluminium / Silicon alloy coating. The hot dip process provides a tight metallurgical bond between the steel and alloy coating. The process results in a material with the strength of steel plus the corrosion protection of Aluminium and the synergistic heat protection of both Aluminium / Silicon alloy.

Aluminized Type 1 coating contains approximately 91% aluminium and 9% silicon that are bonded to the low-carbon steel substrate. The hot dip coating process assures a tightly adherent, uniform coating on both sides of the product. A thin alloy layer readily permits normal fabrication practices without incurring any coating damage.

Coating Thickness:

Types	T1-13	T1-25	T1-40	T1-60
g/m^2 (Minimum)	40	76	122	182
Minimum coating Thickness (µm) (Total both sides)	13	25	40	60

Dimensions:

Standard Widths Supplied are:

36'' (914 mm) and 48 '' (1219 mm) these are supplied as coil but can also be supplied either standard lengths or custom produced to required lengths - maximum 12 ft (3658 mm) subject to thickness. Other widths are available upon request.

Recommended Uses:

Chemical plants & refineries: Distillation columns, tank farms, fractionation units, cockers and ethylene production units.

Paper mills: Chemical storage tanks, breeching and ducts

Steel mills: Pickle acid tank, oxygen production units and fuel oil and tar storage tanks.

Miscellaneous: Food processing plants, LPG/LNG storage units, sewage and waste water treatment plants.

Safety:

There are no known health risks in handling the material although it is recommended that gloves should be worn. Local health and safety guidelines should be followed when loading and transhipping coils and all maximum loading weights adhered to.

Packaging:

All material will be packed on wooden pallets to suit dimensions and shrink wrapped. Heat treated pallets will be supplied where requested.

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