

ALUMINUM COATED STEEL SHEET PRODUCTS TYPE I & TYPE II

ETDE

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ALUMINUM COATED STEEL SHEET PRODUCTS

TYPE I & TYPE II

Carbon steel sheets are coated according ASTM A463 on both sides with a pure aluminum or an aluminum 5% to 10% silicon alloy. The pure aluminum coated product is called **ALUMINIZED TYPE II**, and the aluminum-silicon alloy coated one is called as **ALUMINIZED TYPE I**.

Aluminized sheets have many applications in refineries, the petrochemical industry, gas power plants, oil storage facilities, grain silos, and pipe cladding, automotive industry.



MANUFACTURING STANDARDS

TYPE I : ASTM A463
TYPE II : ASTM A463 & ASTM A929

BASE MATERIALS

Commercial Steel (CS)	Deep Drawing Steel (DDS)	Extra Deep Drawing Steel (EDDS)
Structural Grade (SS)	HSLAS (High Strength Low Alloy Steel)	

COATING WEIGHTS

Types	T1-13	T1-25	T1-40	T1-60	T2-65	T2-100
Min. (Oz/Sq Ft)	.13	.25	.40	.60	.65	1.00
Min. (Gram /Sq Meter)	40	76	122	182	184	300
Min. Coating Thickness (µm) (Total Both Sides)	13	25	40	60	62	95

*Coating thicknesses are approximate. *Conversions are based on the following relationship; (1) AL T2 coating: 1 oz/ft² = 0.00374 in.; 1 g/m² = 0.31131 µm. (2) AL T1 coating: 1 oz/ft² = 0.00398 in.; 1 g/m² = 0.33128 µm.

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FEATURES AND BENEFITS

TYPE - I

- ✓ Surface characteristic of aluminum, combined with the strength and lower cost of steel.
- ✓ Excellent resistance to heat and corrosion.
- ✓ Various coating weights available.
- ✓ Uniformity of appearance and thickness.
- ✓ Reflect 80% of radiant heat.

TYPE - II

- ✓ Good atmospheric corrosion standard.
- ✓ Various coating weights.
- ✓ Appearance.
- ✓ Maintenance free.
- ✓ Highly reflective of solar heat.
- ✓ Fire resistant.

OTHER INFORMATION

Thickness	: 0.014" through 0.13"
Width	: 24" through 61"
Coil ID	: 20" and 24"
Surface Treatment	: Chemical treatment, Oiling, Stenciling (Upon request)
Finish	: Flat, Corrugated.