

© Hot Dipped Aluminized Steel Coil (AL-COT,ALUSI)



Hot-dip aluminum coated steel sheet combines the mechanical properties of cold-rolled steel sheet with aluminum's high resistance retention, Heat reflection, and superior rust resistance.

● Product Features

HEAT RESISTANCE	– Lengthy exposure to temperatures up to 450 degrees Celsius causes very little change in Hot dipped aluminized steel and does not affect its attractive surface brightness, compared with galvanized steel sheet and cold-rolled steel sheet.
HEAT REFLECTIVITY	– The thermal reflectivity of Hot dipped aluminized steel at 450°C reaches up to approximately 80%, and this is applied to thermal reflectors for toasters, gas ranges, oil stove, and so forth.
HIGH CORROSION RESISTANCE	– The corrosion resistance of Hot dipped aluminized steel is excellent due to the coating characteristics to form a thin stable oxide layer and hydroxidation layer in the air and water, respectively.
WEATHERABILITY	– It is provided with excellent weatherability under severely corrosive environments as in industrial area due to its tendency to form a fine and stable oxide layer on the surface
FORMABILITY	– It has generally been understood being poor in formability due to the presence of brittle alloy layer between the steel and aluminium layers. But, when formability of it is compared with that of cold-rolled steel sheets and galvanized steel sheets, DQ and DDQ grades of Hot dipped aluminized steel shows better formability than those
PAINTABILITY	– Paintability of aluminum coating is better than of galvanized steel sheet. In order to improve paint adhesion quality, chemical treatment is necessary but the excellent paintability without further chemical treatment.

• Specification

MATERIAL	CLASS	CODE	TENSILE TEST			HARDNESS(HrB)
			YP(kgf/mm ²)	TS(kgf/mm ²)	EL(%)	
ALCOSTA	Commercial	SA1C	23	36	35	40
	Drawing	SA1D	21	32	38	38
	Deep-Drawing	SA1E	20	31	40	35
CR	Commercial	SPCC	24	34	38	36

• Application

Auto Parts	- Muffler, Exhaust Pipes, Fuel Tanks
Electric Appliances	- Electric stove, Gas Range, Bread Machine, Electric Stove, Toaster, Frying Pan, Dryer
Heating equipment	- Walls & Roofs of Chemical Factories, Fireproof Wall
Other	- Steam Cover, Other Chemical Equipment