

GJ-GI-DX51D

Hot Dip Galvanized Steel Coil

Grade: DX51D+Z

GB/T 2518-2019 | EN 10346 | ASTM A653 CS Type B equivalent

GALVANIZED STEEL COIL (GI)

PRODUCT DESCRIPTION

Hot dip galvanized steel coil DX51D+Z is produced by continuously passing cold rolled or hot rolled pickled steel through a molten zinc bath at approximately 460 degrees C. The zinc coating provides excellent corrosion protection through both barrier and sacrificial (galvanic) mechanisms. Regular spangle surface is the standard finish, with zero spangle and minimized spangle options available.



KEY FEATURES

- > Superior corrosion resistance via zinc barrier + sacrificial protection
- > Zinc coating mass from Z60 to Z275 g/m2 per side
- > Regular / minimized / zero spangle surface options
- > Chromated or chromate-free passivation, oiled or non-oiled
- > Good formability for roofing, cladding and roll forming

TYPICAL APPLICATIONS

- > Roofing, wall cladding and corrugated sheets
- > HVAC ducts and ventilation systems
- > Steel doors, windows and curtain wall systems
- > Automotive underbody and structural parts
- > Agricultural equipment and greenhouse structures

CHEMICAL COMPOSITION (wt %)

C	Mn	P	S	Zn coating g/m2
<=0.12	<=0.60	<=0.035	<=0.035	60 - 275

MECHANICAL PROPERTIES

Coating	Yield >=MPa	Tensile MPa	Elong >=%	180 deg Bend
Z60-Z100	280	350-420	22	0T (no crack)
Z120-Z180	280	350-420	22	0T (no crack)
Z200-Z275	280	350-420	20	1T (no crack)

DIMENSIONS & SPECIFICATIONS

Parameter	Range
Thickness	0.25 - 3.0 mm
Width	600 - 1500 mm
Coil ID	508 / 610 mm
Coil Weight	3 - 15 tons
Zinc Coating	Z60 / Z80 / Z100 / Z120 / Z180 / Z275
Surface	Regular / Minimized / Zero spangle
Passivation	Chromated / Chromate-free

PACKAGING & SHIPPING

Standard export packing: steel strapping, waterproof paper, side protectors, wooden/metal pallets. Container loading: 18-22 tons per 20ft GP.