

GJ-PPGI

Pre-Painted Galvanized Steel Coil

Grade: PPGI (TDC51D+Z base)

GB/T 12754-2019 | ASTM A755M | EN 10169

COLOR COATED STEEL COIL (PPGI / PPGL)

PRODUCT DESCRIPTION

Pre-painted galvanized steel coil (PPGI) is manufactured by applying organic coatings onto galvanized or galvalume steel substrate through a continuous coil coating line. The product combines the corrosion protection of zinc with the decorative and protective properties of polymer coatings. Available in polyester (PE), silicon modified polyester (SMP), high durability polyester (HDP) and polyvinylidene fluoride (PVDF) coating systems.



KEY FEATURES

- > Wide range of RAL colors with excellent color consistency
- > Coating systems: PE / SMP / HDP / PVDF for different durability levels
- > Front coating 20-25um, back coating 5-10um (2/1 standard)
- > Superior weather resistance: PVDF guarantees 20+ years color retention
- > Excellent formability for roll forming into roofing and wall profiles

TYPICAL APPLICATIONS

- > Industrial and commercial building roofing and wall cladding
- > Cold storage warehouses and clean room panels
- > Steel doors, garage doors and rolling shutters
- > Home appliance panels and furniture components
- > Transportation: truck bodies, container panels

CHEMICAL COMPOSITION (wt %)

Substrate	Zn coat g/m2	Front coat um	Back coat um	Coating type
Galvanized DX51D	80-180	20-25	5-10	PE / SMP / HDP / PVDF
Galvalume AZ150	Al55%Zn	20-25	5-10	PE / SMP / HDP / PVDF

MECHANICAL PROPERTIES

Coating Type	Yield >=MPa	Tensile MPa	Elong >=%	Salt spray hrs
PE (Polyester)	280	350-420	20	>=500
SMP	280	350-420	20	>=750
HDP	280	350-420	20	>=1000
PVDF	280	350-420	20	>=1500

DIMENSIONS & SPECIFICATIONS

Parameter	Range
Thickness	0.25 - 1.2 mm
Width	600 - 1250 mm
Coil ID	508 / 610 mm
Coil Weight	3 - 10 tons
Color	RAL series, custom colors available
Gloss	High gloss / Semi-gloss / Matte
Coating structure	2/1 (two front, one back) standard

PACKAGING & SHIPPING

Standard export packing: steel strapping, waterproof paper, side/edge protectors, wooden/metal pallets with film wrapping. Container loading: 15-20 tons per 20ft GP.