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PPGI

涂镀钢



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Galvanized coil



Color coated coil



Corrugated steel plate

Classification Table of Carbon Steel Types

Category	% C	Key Characteristics	Common Grade Examples	Typical Applications
Low Carbon Steel	0.05% - 0.25%	- Low strength and hardness - Excellent ductility and toughness - Easy to form and weld	AISI 1018, AISI 1008, AISI 1020, ASTM A36	- Automotive body panels - Structural steel (I-beams, sheets) - Pipes, pipe materials - Wires, nails, rivets
Medium Carbon Steel	0.25% - 0.60%	- It has higher strength and hardness than low-carbon steel. - It maintains good toughness. - Its performance can be enhanced through heat treatment.	AISI 1040, AISI 1045, AISI 4140, ASTM A529	- Automotive components - Rails, train wheels - Machine parts, forging pieces - High-strength structural components
High Carbon Steel	0.60% - 1.00%	- Extremely high strength and hardness - Good wear resistance - Low ductility and toughness - Difficult to weld and cold process	AISI 1060, AISI 1075, AISI 1095, C60	- Spring - Cutting tools (drills, taps) - High-strength steel wire - Blades, axes
Ultra-High Carbon Steel	1.00% - 2.00%	- Extremely high hardness and wear resistance - Extremely brittle with poor toughness - Difficult to process.	AISI 1095 , CPM 10V	- Professional cutting tools - Pressing molds - Wear-resistant parts - Special blades



Galvanized Coil



Hot-Dip Galvanized (GI) Steel Coil

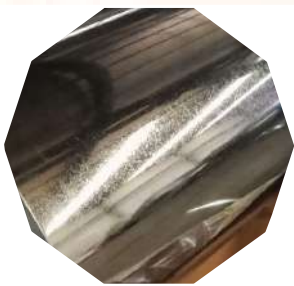
Process	Immersing steel coil in molten zinc to form a zinc-iron alloy coating.
Substrate	Low Carbon Cold Rolled Steel Coil
Standards	ASTM A653, EN 10346, JIS G 3302, GB/T 2518
Coating Weight	Code: Z60 - Z600, Z60, Z90, Z120, Z180, Z275 Mass: 60 - 600 g/m ²
Surface Treatment	Regular Chromate Passivation, Chrome-Free Passivation, Oiled, Phosphated
Spangle	Minimal Spangle, Regular Spangle, Zero Spangle

Parameters	Standard Range	Min. Common Specifications
Thickness	0.15 mm - 8.0 mm	0.3mm, 0.4mm, 0.5mm, 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
Width	800 mm - 1500 mm	1000mm, 1219mm (48"), 1250mm, 1500mm
Inner Diameter	500 mm (20") / 610 mm (24")	610mm (24")
Coil Weight	3 - 25 tons / MT	5-10 tons, 15-20 tons

Electro-Galvanized (EG/ECC) Steel Coil

Process	Using electrolysis to deposit a uniform zinc layer on the steel surface.
Substrate	Low Carbon Cold Rolled Steel Coil
Standards	ASTM A879, JIS G 3313, GB/T 15675
Coating Weight	One Side: 10g/m ² , 20g/m ² Both Sides: 20/20, 30/30, 40/40, 60/60 g/m ²
Surface Treatment	Phosphated Chrome-Free Passivation
Surface Finish	Smooth & Uniform

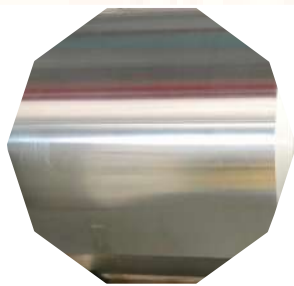
Parameters	Standard Range	Min. Common Specifications
Thickness	0.1mm - 3.0 mm	0.3mm, 0.4mm, 0.5mm, 0.6mm, 0.8mm, 1.0mm, 1.2mm, 1.5mm, 2.0mm
Width	800 mm - 1500 mm	1000mm, 1219mm (48"), 1250mm
Inner Diameter	500 mm (20") / 610 mm (24")	610mm (24")
Coil Weight	3 - 15 tons / MT	5-10 tons



Minimal Spangle



Regular Spangle



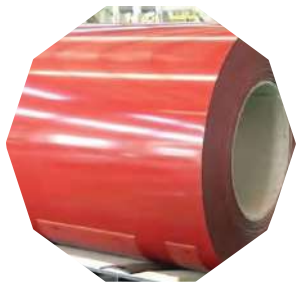
Zero Spangle

Packaging Details:

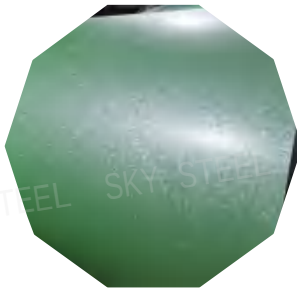
Inner Pack: Plastic/steel protectors on both ends, reinforced inner core.
Outer Pack: Fully wrapped with waterproof cloth or VCI film, secured with steel straps.
Support: Wooden pallets or steel cradles for stable and safe stacking.
Marking: Clear shipping marks with size, weight, weatherproof, and handling instructions.



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Smooth



Matte



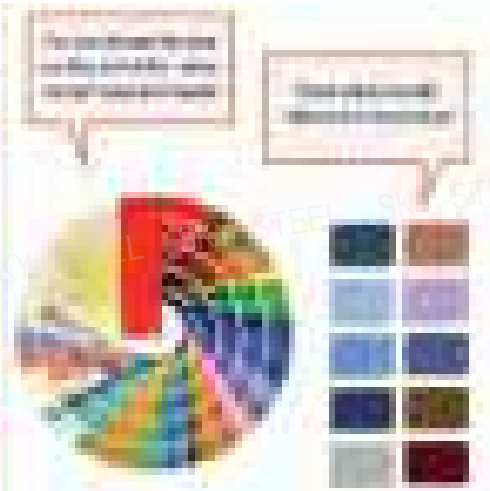
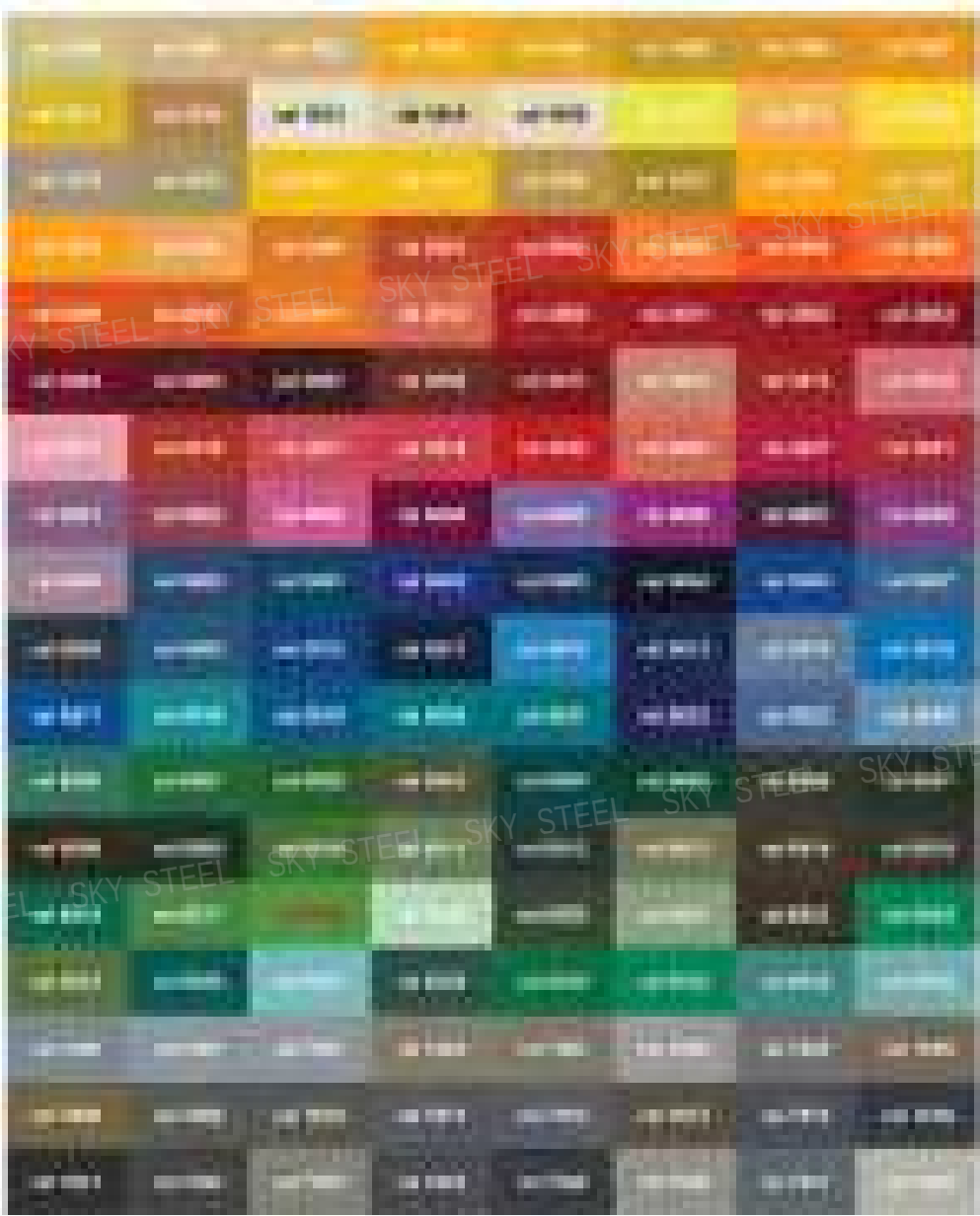
Embossed

Substrate and coating system	
Substrate	Hot-Dip Galvanized Steel (GI) Aluminum-Zinc Alloy Coated Steel (GL/AZ) Galvanized Steel (GA)
Coating System	2-coats-2-bake (Primer + Topcoat) 1-coat-1-bake (Topcoat only)
Standards	ASTM A653, EN 10346, JIS G 3302, GB/T 2518
Primer	Epoxy, Polyester
Topcoat	Regular Chromate Passivation, Chrome-Free Passivation, Oiled, Phosphated
Spangle	Polyester (PE) Siliconized Polyester (SMP) High Durability Polyester (HDP) Polyvinylidene Fluoride (PVDF)
Surface Finish	Smooth Matte Embossed

Parameter	Minimum Range	Maximum Range
Substrate Thickness	0.18 mm - 1.5 mm	0.18 mm, 0.25 mm, 0.35 mm, 0.5 mm, 0.6 mm, 0.8 mm
Coated Thickness	0.01 mm - 0.2 mm	
Coated Weight	600 g/m² - 1200 g/m²	1000 g/m², 1200 g/m², 1400 g/m², 1600 g/m²
Inner Diameter (I.D.)	750 mm (29.5") / 813 mm (32")	813 mm (32")
Coil Weight	3 - 12 ton	5-10 ton



Color and Appearance



Packaging Details:

Inner Pack: Plastic/steel protectors on both ends, reinforced inner core.
Outer Pack: Fully wrapped with waterproof cloth or VCI film, secured with steel straps.
Support: Wooden pallets or steel cradles for stable and safe stacking.
Marking: Clear shipping marks with size, weight, weatherproof, and handling instructions.



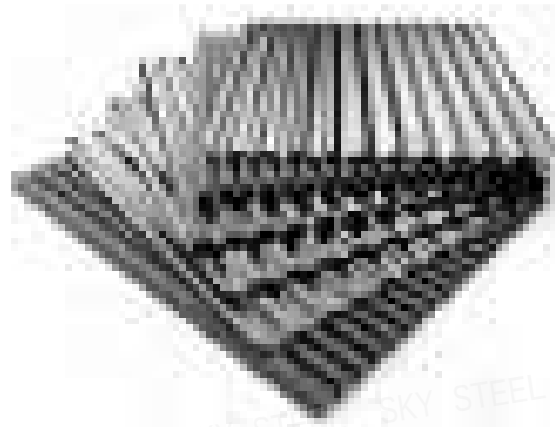
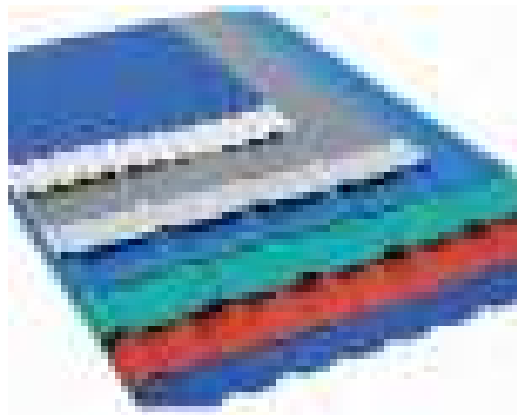
RAL Color

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RAL 9001 Titanium white		RAL 9001 Titanium white	
RAL 9002 Cream white		RAL 9002 Cream white	
RAL 9003 Ivory white		RAL 9003 Ivory white	
RAL 9004 Eggshell white		RAL 9004 Eggshell white	
RAL 9005 Pure white		RAL 9005 Pure white	
RAL 9006 Chalk white		RAL 9006 Chalk white	
RAL 9007 Light grey		RAL 9007 Light grey	
RAL 9008 Paper white		RAL 9008 Paper white	
RAL 9009 Traffic white		RAL 9009 Traffic white	
RAL 9010 Pure white		RAL 9010 Pure white	
RAL 9011 Signal green		RAL 9011 Signal green	
RAL 9012 Chart blue		RAL 9012 Chart blue	
RAL 9013 Light blue		RAL 9013 Light blue	
RAL 9014 Navy blue		RAL 9014 Navy blue	
RAL 9015 Dark blue		RAL 9015 Dark blue	
RAL 9016 Blue grey		RAL 9016 Blue grey	
RAL 9017 Teal blue		RAL 9017 Teal blue	
RAL 9018 Forest green		RAL 9018 Forest green	
RAL 9019 Olive green		RAL 9019 Olive green	
RAL 9020 Light green		RAL 9020 Light green	
RAL 9021 Yellow green		RAL 9021 Yellow green	
RAL 9022 Yellow		RAL 9022 Yellow	
RAL 9023 Orange		RAL 9023 Orange	
RAL 9024 Red orange		RAL 9024 Red orange	
RAL 9025 Red		RAL 9025 Red	
RAL 9026 Dark red		RAL 9026 Dark red	
RAL 9027 Brown		RAL 9027 Brown	
RAL 9028 Grey		RAL 9028 Grey	
RAL 9029 Black		RAL 9029 Black	
RAL 9030 Black		RAL 9030 Black	

RAL 9001 Titanium white		RAL 9001 Titanium white	
RAL 9002 Cream white		RAL 9002 Cream white	
RAL 9003 Ivory white		RAL 9003 Ivory white	
RAL 9004 Eggshell white		RAL 9004 Eggshell white	
RAL 9005 Pure white		RAL 9005 Pure white	
RAL 9006 Chalk white		RAL 9006 Chalk white	
RAL 9007 Light grey		RAL 9007 Light grey	
RAL 9008 Paper white		RAL 9008 Paper white	
RAL 9009 Traffic white		RAL 9009 Traffic white	
RAL 9010 Pure white		RAL 9010 Pure white	
RAL 9011 Signal green		RAL 9011 Signal green	
RAL 9012 Chart blue		RAL 9012 Chart blue	
RAL 9013 Light blue		RAL 9013 Light blue	
RAL 9014 Navy blue		RAL 9014 Navy blue	
RAL 9015 Dark blue		RAL 9015 Dark blue	
RAL 9016 Blue grey		RAL 9016 Blue grey	
RAL 9017 Teal blue		RAL 9017 Teal blue	
RAL 9018 Forest green		RAL 9018 Forest green	
RAL 9019 Olive green		RAL 9019 Olive green	
RAL 9020 Light green		RAL 9020 Light green	
RAL 9021 Yellow green		RAL 9021 Yellow green	
RAL 9022 Yellow		RAL 9022 Yellow	
RAL 9023 Orange		RAL 9023 Orange	
RAL 9024 Red orange		RAL 9024 Red orange	
RAL 9025 Red		RAL 9025 Red	
RAL 9026 Dark red		RAL 9026 Dark red	
RAL 9027 Brown		RAL 9027 Brown	
RAL 9028 Grey		RAL 9028 Grey	
RAL 9029 Black		RAL 9029 Black	
RAL 9030 Black		RAL 9030 Black	

Corrugated steel plate



Material & Grade

Substrate	Hot-Dip Galvanized Steel (GI) Aluminum-Zinc Alloy Coated Steel (GL/AZ)
Coating System	Primer: Epoxy, Polyester Topcoat: Polyester (PE), Siliconized Polyester (SMP), High Durability Polyester (HDP), Polyvinylidene Fluoride (PVDF)
Coating Thickness	Top Side: 20 ~ 25 µm Back Side: 5 ~ 15 µm
Standard Colors	RAL Classic
Special Coatings	PVC Lamination Anti-Scratch Coating

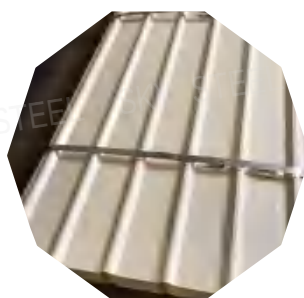
Packaging Details:

Inner packaging: A PE protective film is placed between each sheet of the board to prevent scratches.

Outer packaging: Depending on the length of the board and the mode of transportation, use wooden pallets or wooden racks for fixation, and then wrap it with waterproof woven fabric or stretch film.

Protection measures: Add protective corners, and secure the steel bands tightly.

Shipping label: Clear shipping marks, indicating dimensions, weight, moisture-proofing, do not stack, etc.



Cataloging	Standard Specifications
Effective Coverage Width	600mm, 750mm, 900mm, 940mm, 900mm, 1000mm, 1200mm
Sheet Thickness	0.25mm ~ 1.0mm
Corrugation Height	15mm ~ 80mm
Corrugation Pitch	80mm ~ 300mm
Standard Length	Customized according to customer requirements, usually ≤ 12 meters (subject to transportation restrictions)



We can supply various profiles, colors, and specifications of color steel corrugated sheets based on your project requirements. Customized production is available. Free color cards and technical data sheets are offered!