

Whaleader®
Horizon Holdings

HORIZON HOLDINGS



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COMPANY PROFILE

HORIZON HOLDINGS specializing in the import and export trade of steel products. We are dealing in PPGI/PPGL/GI/GL/-ZAM/CRC/HRC,etc.

Our business scope involves steel trade,hotel catering,manufacturing,real estate development and financial investment.Our 39 branches are distributed in the major provinces and cities of the country and overseas tradecenters,by the three headquarters over all management,includingShanghai headquarters main galvanized trade,Putian headquarters main color coating production and sales,Singapore headquarters main overseas trade,annualsales of about 2million tons,turnover of more than 10billion,is the domestic ranking of the first civilian boardtrade service company.

HORIZON HOLDINGS

PPGI/PPGL

The Pre - painted Steel sheet is used for the most widely used for construction materials.

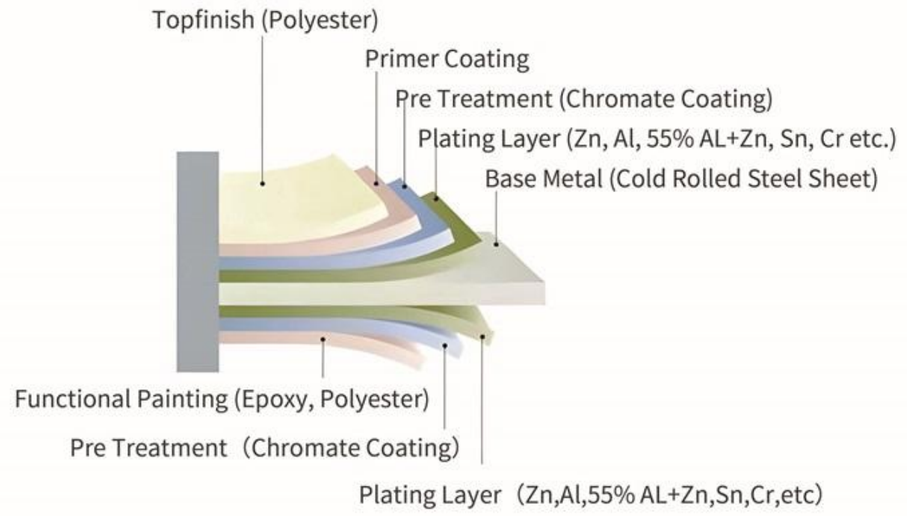
This is usually used for building's exterior panel, construction and interior material.

There are some cases that fluoric resin, silicon resin or PVC resin is used in order to enlarge corrosion resistance, workability, and anti-pollution depending on usage.



Specification:

Thickness	0.1mm -2 .0mm
Width	600mm-1500mm
Zinc Coating	20g/m²-275g/m²
Top Paint Coating Mass	15-35 Microns
Back Paint Coating Mass	5-15 Microns
Paint Type	PE, PVDF
Color	RAL Scale/ Color sample
Coil I. D.	508mm/610mm
Coil Weight	3-8mt
Substrate Material	Galvanized Steel/ Galvalume Steel/ Cold Rolled



Standard & Grade:

Standard	JIS G3 3 1 2 /JIS G3 3 2 2	EN10169	ASTM A755
Grade	CGCC/ CGLCC	DX51D+Z	CS
	CGC3 4 0/CGLC3 4 0	S2 2 DGD+Z	SS GRADE 2 3 0
	CGC4 0 0/CGLC4 0 0	S2 5 DGD+Z	5S GRADE 2 5 5
	CGC4 4 0/CGLC4 4 0	52 8 DGD+Z	5S GRADE 2 7 5
	CGC4 9 0/CGLC4 9 0	532 DGD+Z	SS GRADE 3 4 0
	CGC5 7 0/CGLC5 7 0	S3 5 DGD+Z	SS GRADE 5 5 0
		S5 5 DGD+Z	

PPGI/PPGL

Test Standard:

Test Item	Standard	Results
T Bend	NCCA11-19	⩽2T
Cupule Test	GB/T9753	＞8mm
Impact (Shock Force J)	GB/T1732	＞9J
Adhension (MEK)	GB/T9286	Not less than 0
Pencil Hardness	GB/T6739	＞2H
Gloss	GB/T1743	⩽±5
Chromatism(△E)	ECCA T3	△E⩽5
MEK Scrub Resistance	NCCA11-18	⩾100
Salt spray Resistance	GB / T10125	500hr
Weather Resistance(Q. U.V)	GB / T1865	500hr
Wet and Heat Resistance	GB / T1740	>1000hr



The use of galvanized steel plate for the color coated steel plate, in addition to zinc protection, the organic coating on the zinc layer plays a covering isolation role, can prevent the steel plate rust, the service life is longer than the galvanized steel plate, according to reports, the service life of the coated steel plate is 50% longer than the galvanized steel plate.

Application

◎ **Buildings:** Roofs, walls, garages, soundproof walls, pipes and modular houses

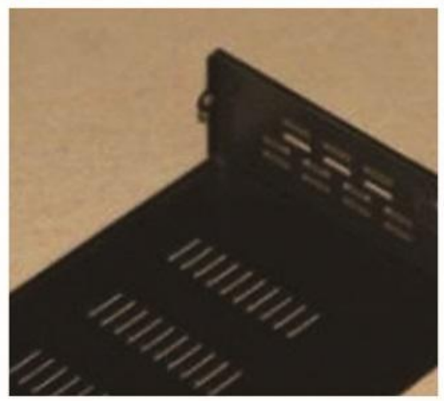
◎ **Automobile:** muffler, exhaust pipe, wiper accessories, fuel tank, truck box

◎ **Home appliances**









GALVANIZED STEEL (GI)

Galvanized Steel has excellent corrosion resistance, paint ability, and work ability due to Zinc' s characteristic of self sacrifice. The base metals in coil are continuously annealed, galvanized,and properly leveled.



Specification:

Items	Specification
Thickness	0.1mm - 5.0mm
Width	600mm - 1500mm
Zinc Coating	20g/m²~- 500g/m²
Spangle	Regular/ Minimized/ Zero
Passivation	Chromated/ Chromated- free
Surface Treatment	Skin Pass
Oiling	Oiled/ Dry
Coil I. D.	5 0 8mm/ 6 1 0mm
Coil Weight	3-18mt

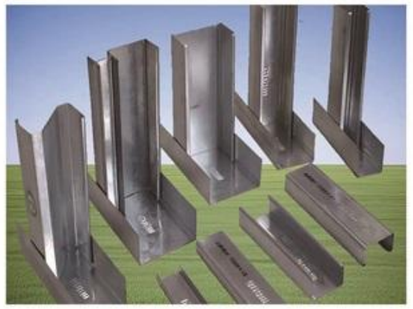
Standard & Grade:

Standard	JIS3 3 0 2	EN10326/EN10327	ASTM A6 5 3
Grade	SGCC/ SGCH	DX51D+Z	CS
	SGC 3 4 0	S2 2 DGD+Z	SS GRADE 2 30
	SGC 4 0 0	S2 5 DGD+Z	SS GRADE 2 5 5
	SGC 4 4 0	S2 8 DGD+Z	SS GRADE 27 5
	SGC 4 9 0	S3 2 DGD+Z	SS GRADE 3 4 0
	SGC 5 7 0	S3 5 DGD+Z	SS GRADE 5 5 0
		S5 5 DGD+Z	



GALVANIZED STEEL (GI)

Galvanized Steel (GI) has a variety of application not only engineering and construction but also automotive and home appliance. Xiangyu Musheng is dealing with Regular spangle, Minimized spangle and Zero spangle in order to meet customer' s various requests.



Type	Application
Chromate	General
Non- treated	General Painting
Organic	Drawing





GALVALUME/ ALUZINC STEEL (GL)

Galvalume steel is the steel coated with 55% Aluminum, 43% Zinc, and 1 . 6% silicon. This is that the highly heat resistance & corrosion resistance, workability, and durability of Aluminum can combine well with Galvanic behavior effect of Zinc.



Product Surface

Standard & Grade:

Standard	JIS G3 321	EN10215	ASTM A 7 9 2
Grade	SG LCC	DX51D+AZ/DX52D+AZ	CS- B
	SGLC 3 4 0	S2 2 DGD+AZ	SS GRADE 2 3 0
	SGLC 4 0 0	52 2 DGD+AZ	SS GRADE 2 5 5
	SGLC 4 4 0	S2 8 DGD+AZ	SS GRADE 2 7 5
	SGLC 4 9 0	S2 8 DGD+AZ	SS GRADE 3 4 0
	SGLC 5 7 0	53 5 DGD+AZ	SS GRADE 5 5 0
		S3 5 DGD+AZ	

Thickness	0.1mm - 2.0mm
Width	600mm - 1500mm
Aluzinc Coating	20g/m² - 200g/m²
Spangle	Regular / Minimized
Passivation	Chromated / Chromated. free
Surface Treatment	Anti- finger / Skin Pass
Oiling	Oiled / Dry
Coil I. D.	5 0 8mm / 6 1 0mm
Coil Weight	3 - 10mt



GI/GL

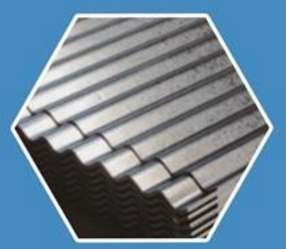
The difference between GI and GL mainly lies in the difference of coating, the surface of galvanized plate is evenly distributed with a layer of zinc material, which plays an anodic protection role on the base material, that is to say, the alternative corrosion of zinc material protects the use of the base material, and only when the zinc is all corroded can damage the base material inside.



Application:

Buildings: Roofs, walls, garages, soundproof walls, pipes and modular houses

Automobile: muffler, exhaust pipe, wiper accessories, fuel tank, truck box, Home appliances.



BILLETS

Grade 3SP/5SP,
Q195/235,
SAE1006/1008
Size 130 x 130 ,
150 x 150 ,
165 x 165
230 x 230,
230 x 350



WIRE RODE

STANDARD:AISI, ASTM, BS, DIN, GB, JIS

GRADE:Q195 / 235, SAE1006 /1008 /1010 /1012 /1015 /1018, 62B-82B

Wire Gaugea 5.5—30mm



CHANNEL

Sizes: 50mm to 300mm

Dimensional Specifications:

JIS G3192, DIN 102S, ENI10056, GB700-1998

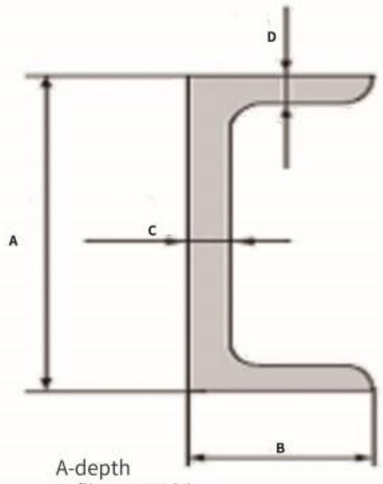
Material Specifications:

JIS G3192, SS400, SS540

EN 10026, S235, S355JR

ASTMA36

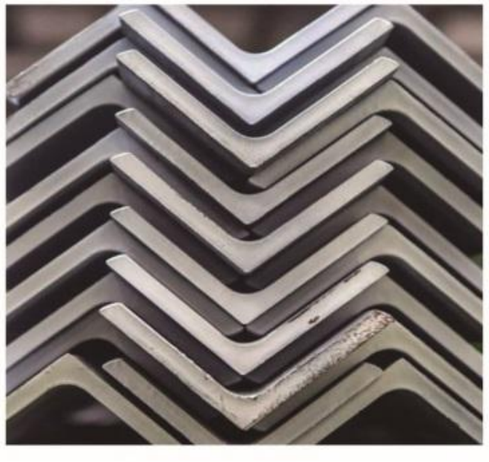
GB Q235B, Q345B or Equivalent



A-depth
B-fllange width
C-web thickness
D-flange thickness

EQUAL ANGLE

- Trusses
- Transmission towers
- Telecommunication towers
- Bracing for general structure
- Stiffeners in structural use

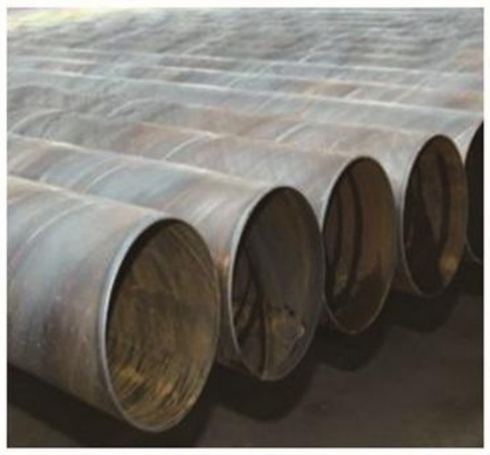


PIPE

Welded pipe are widely used inboiler,automobile,ship building,doors and windows of light structure,furniture,all kinds of agricultural machinery,shackframe,threading pipe of electric wire,high level goods shelves and containers,etc.



Grade:
S235JR, S275JR, S355JR
SS400
A36
Q235B, Q355B



WELDED PIPE - ERW PIPE REGULAR SIZE

OD(INCH)	OD(MM)	OD(TOL)	WT
1/2''	21.3	20.5-21.3	1.4-2.8
3/4"	26.7	25.5-26.9	1.4-2.8
1''	33.4	32.5-33.7	1.4-3.4
1-1/4''	42.2	41.5-42.4	1.4-3.8
1-1/2''	48.3	47.5-48.3	1.4-4.5
2''	60.3	59.5-60.3	2.0-4.75
2-1/2''	73	75.5-76.1	2.5-5.0
3''	88.9	87.5-88.9	2.5-5.3
4''	114.3	113-114.3	2.5-6.0
5''	141.3	139-141.3	3.0-6.4
6''	168.3	166.8-169.8	3.25-10.5
8''	219.1	217.6-220.6	3.75-11.75
10''	273	271.5-274.5	4.75-12
12''	323.9	322.4-325.4	4.75-12

ZN-ALU-MG ALLOY STEEL (ZAM)

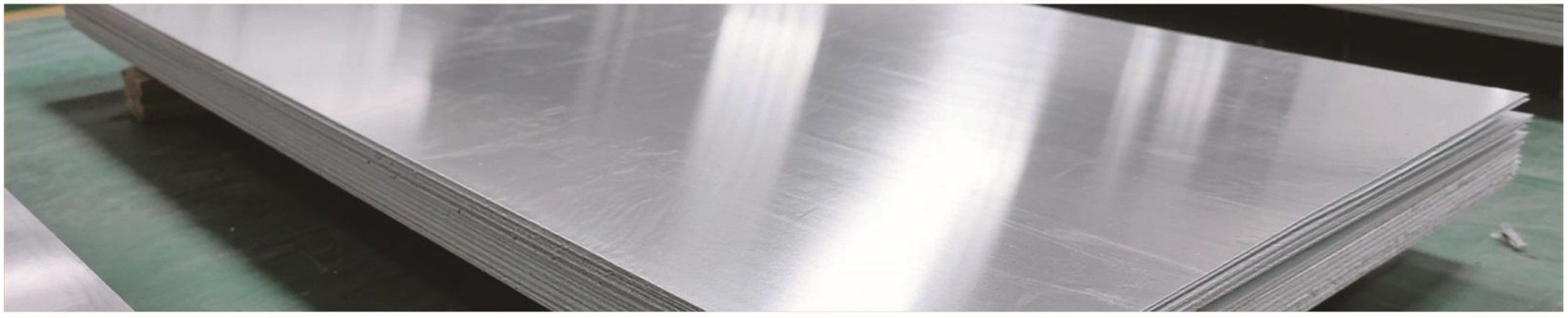
Zinc-Aluminum-Magnesium Alloy steel is a new generation of revolutionary coating products,referred to as ZAM.

The alloy layer is formed by high-temperature solidification of zinc,aluminum and magnesium elements, and its structure is composed of a dense ternary eutectic structure of zinc, aluminum and MgZn2, so as to form a dense layer on the surface of the steel plate and effectively prevent the penetration of corrosion factors. The barrier has excellent chemical resistance,red rust resistance,-self-healing and anti-corrosion performance of the shear end and welding performance,which greatly extends the service life of the building.



Specification:

Item	Specification
Thickness	0.3mm-2.5mm
Width	900mm-1250mm
Coating	30g/m2-300g/m2
Spangle	Zero
Passivation	Chromated
Surface treatment	skinpassed
Oiling	Oiled/Dry
Coil ID	508mm/610mm
Coil Weight	5-12mt



ZN-ALU-MG ALLOY STEEL (ZAM)

PRODUCT ADVANTAGES

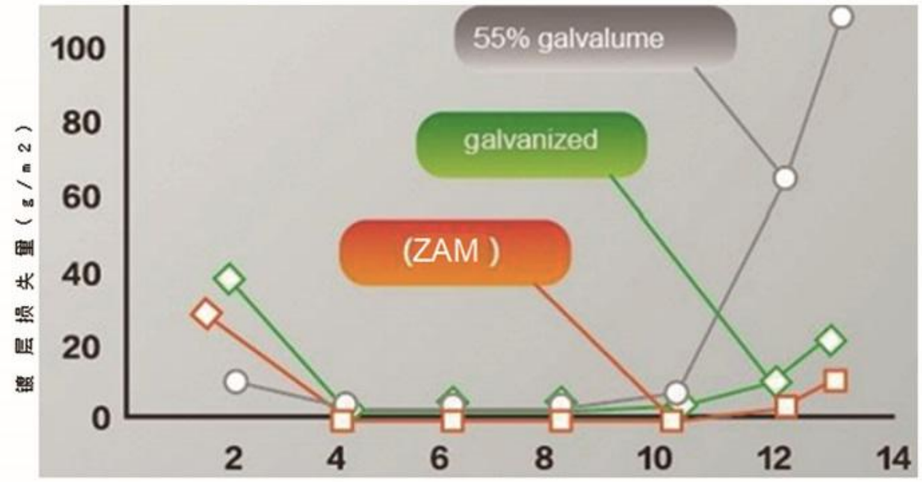
★ Extraordinary corrosion resistance
★ Excellent alkali resistance
★ Incision has self-healing function,good corrosion resistance
★ Good processing performance,shell has excellent wear resistance and scratch resistance

SALT SPRAY CORROSION TEST (2500 HOURS)

ZAM	galvanized	55%galvalume
		

Test conclusion:
ZAM plate salt spray corrosion experiment is significantly better than 55%galvalume plate and galvanized plate

ACID AND ALKALI RESISTANCE TEST



Grade:

Grade	DC51D+ZAM	S250GD+ZAM	HC260YD+ZAM
	DC52D+ZAM	S280GD+ZAM	HC340LAD+ZAM
	DC53D+ZAM	S320GD+ZAM	HC380LAD+ZAM
		S350GD+ZAM	HC420LAD+ZAM
		S390GD+ZAM	
		S420GD+ZAM	
		S450GD+ZAM	
		S550GD+ZAM	

HOT ROLLED STEEL(HR)



Specification:

Items	Specification
Thickness	0.8-25mm
Width	750mm-2000mm
Coil I. D.	610/762mm
Coil Weight	6-32mt

HEAVY PLATE

Heavy plate usual use for ship-building, piping, petro-chemistry, machineries, bridges, boilers, container vessel, die steel .

Specification:

Items	Specification
Thickness	6 - 300mm
Width	1500mm - 4600mm
Length	4000mm - 22000mm



COLD ROLLED STEEL (CR)

Cold Rolled Steel sheet has excellent surface configuration and superb mechanical properties for use in automobile, steel tube and electronic appliance production.

Grade:

S PCC	DC01	ST12
SPCC-1 B, SPCC-1 D	DC02	ST13
S PCD	DC03	ST14
SPCE	DC04 DC05	ST15





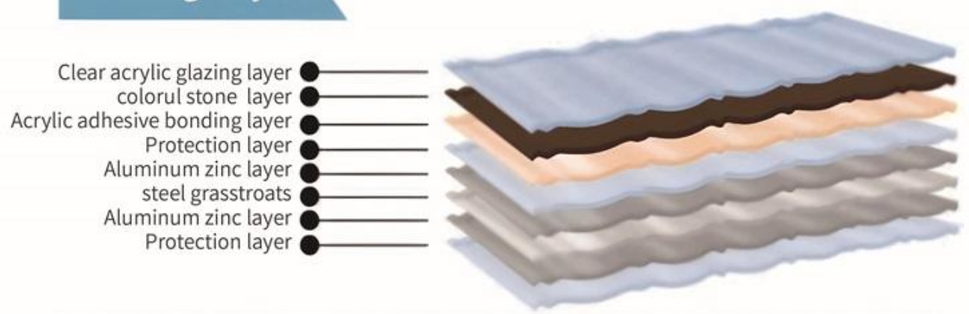




STONE-COATED METAL ROOF TILE

Stone-Coated Metal Roof tile, is produced by high and new technology, with excellent anti-corrosion properties of aluminum-plated zinc steel plate as the substrate, with water-based acrylic ester as the adhesive, with sintered sand as the surface layer, and then with strong weather resistance of acrylic resin as the outermost surface (equivalent to paint) new advanced roofing material.

Coating Layers



Project case





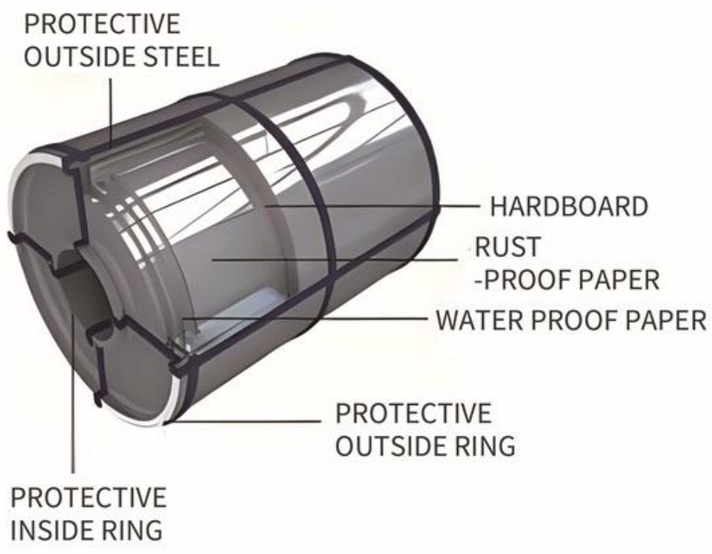


HORIZON HOLDINGS

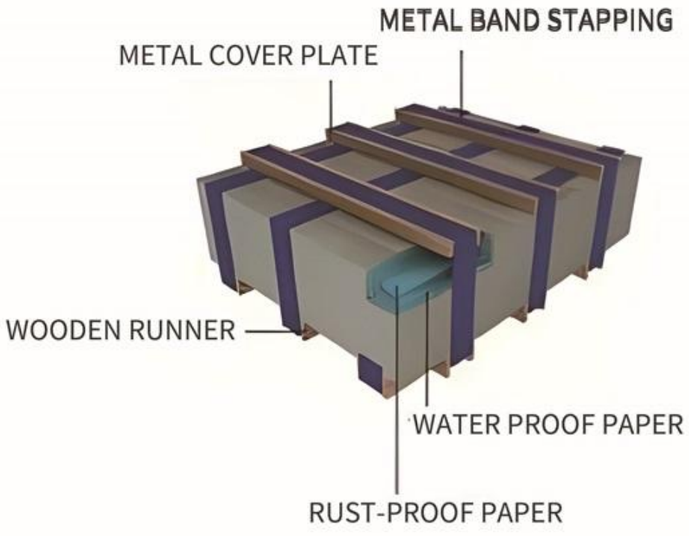
PACKING

All products are packed very carefully so that there is no friction gap and rust during transportation, even no damage for long period of shipment.

Coils



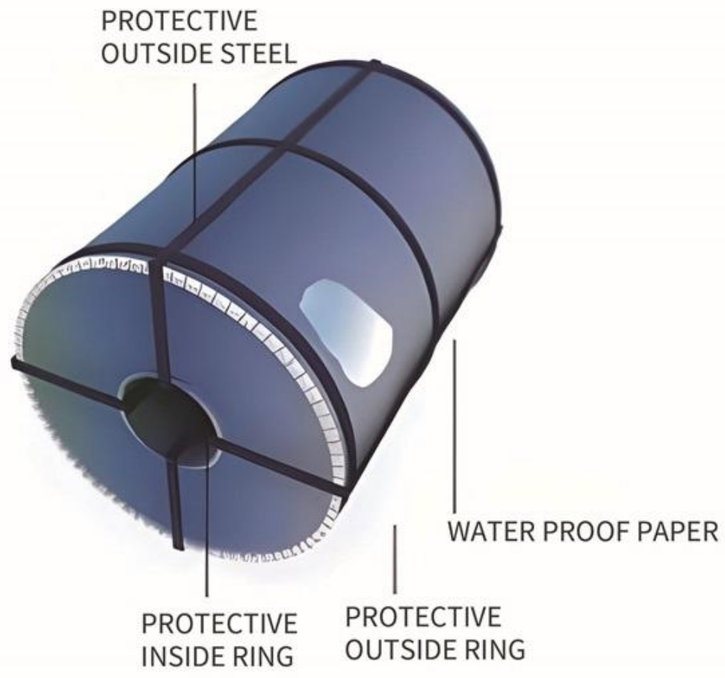
Sheet



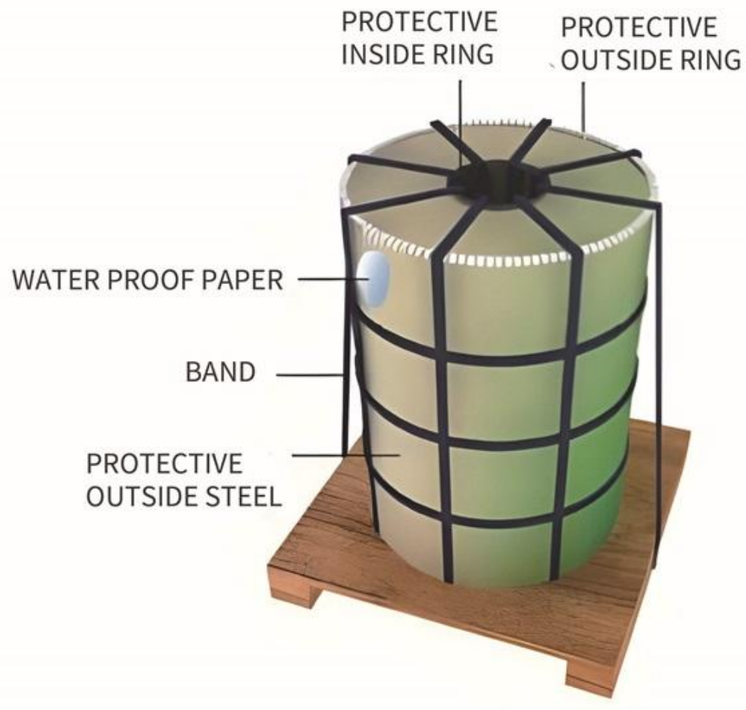
PACKING

All products are packed very carefully so that there is no friction gap and rust during transportation, even no damage for long period of shipment.

Horizontal



Vertical



We would like you to let us know depending on it's usage as below when you place an order.

ITEM: Please choose the proper item from this catalogue depending on it's usage and the way to use.

SPECIFICATION: Please choose your specification after checking your preferred drawing quality and type of steel.

USAGE: Please let us know the usage of steel that you would like to purchase.

RUST PREVENTIVE OIL: Please choose whether you need oil treatment or not.

WEIGHT: Please choose package weight depending on loading & unloading capacity, and work facility. Appoint minimum or maximum weight per coil in case of coil purchase.

COLOR: Please appoint color, brightness,and drawing quality.

Please contact us as below if you would like to purchase products, or if you have any question and commert to us.

Trusted Suppliers

盛财 · 新宇 · 莱钢集团 LAIGANGGROUP · 澳森集团 AOSEN GROUP · SHINMADE 新美达 · 日照钢铁 RIZHAO STEEL · GUANZHOU 冠洲 · 日钢营口中板有限公司 RIZHAO STEEL YINGKOU MEDIUM PLATE CO.,LTD. · NTS 新天钢集团 NEW TIANJIN STEEL GROUP · 河北普阳钢铁集团 HEBEI PUYANG IRON AND STEEL GROUP · XINGHAN 星汉股份 · 德信钢铁有限公司 DEXIN STEEL GROUP

HORIZON HOLDINGS

REAL-LIFE APPLICATION

Project name.Fujian Agile achinery Co.. Ltd



HORIZON HOLDINGS

Project name:

Fujian Zhengde Constructionand Development Co., Ltd











World-wide Service >>

Whaleader®

Horizon Holdings

Based on the steel trade of Caijuan, deeply cultivated domestically and expanded overseas. Strict quality control and efficient service

Co-paint the blueprint with global partners, let the steel color cross the border, and create infinite possibilities through cooperation!

