

## ***HEXINGSTEEL*** Catalog

[www.topppgi.com](http://www.topppgi.com)

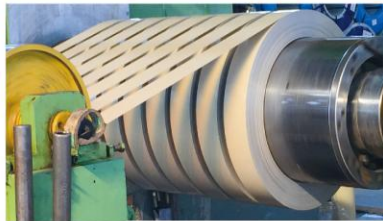
## COMPANY PROFILE



**HEFEI HEXING COATED STEEL CO., LTD** is a steel product manufacturer funded in 2008. One of professional prepainted galvanized steel provider in the south of China, has two factories: Hefei Hexing Coated Steel Co., Ltd and Hefei Sokon New Material Co., Ltd. Covers an area of 32000 square meters with one coated production line, two cross-shearing lines and one slitting line. Month supply capacity 6000 - 8000 Tons.

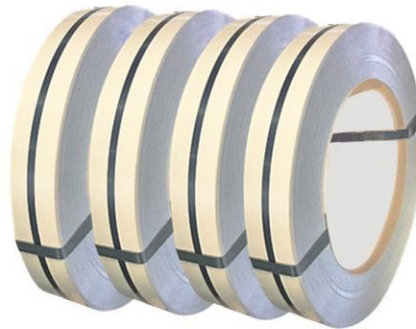
Hexing steel with high grade galvanized, galvalume and stainless material and products widely apply to various fields and characterized in cost-effectiveness, good corrosion resistance, vivid color, graceful appearance, easy to be processing, molding and long use life. One field is building & decoration (PPGI/PPGL), like roofing, wall, fence, ceiling wooden grain steel for door and others. Second field is home appliance, refrigerator panel (PCM). The last is school teaching board surface steel, such as white board, green chalk board, black board and projection board.

## PRODUCTION LINE & CUTTING WORKSHOP



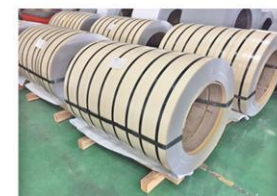
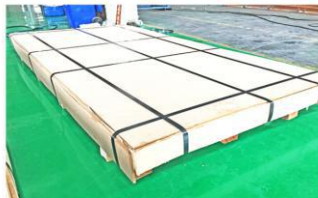


# Steel Strip & Sheet



We accept any available customized specification. Over thousand Tons of original steel coil be demand cutting or slitting from our client.

Listen and react to our customers' needs and concerns. For example, we invest three hundred million RMB for production line barking system improve to make the color difference strict according to International standard after coated, stable quality supply to earn your trust and satisfaction from start to finish. That's the way we do business.



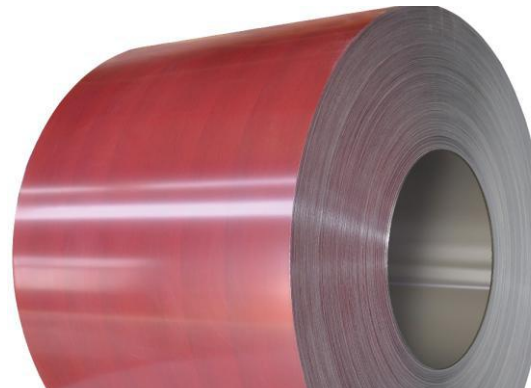
## WOODEN GRAIN STEEL

**Wooden grain PPGI** is new material for Decoration, Door and Cabinet.

According to Client wooden pattern drawing paper, factory make the steel model and put it into production for order.



- Colorful and gorgeous appearance.
- Long time color keeping no fade and easy clean.
- PVDF paint with excellent use life.



### Paint specification:

Resin	Features
PE	<u>Universal, good adhesion and flexibility</u>
HDP	<u>Excellent UV resistance, high durability</u>
SMP	<u>Wear and good heat resistance, external durability, Non-powder resistance.</u>
PVDF	<u>Excellent flexibility and durability.</u>

### Main Application :

1. Exterior walls of Industrial buildings.
2. Exterior buildings and home appliance.
3. High-standard buildings and decoration.

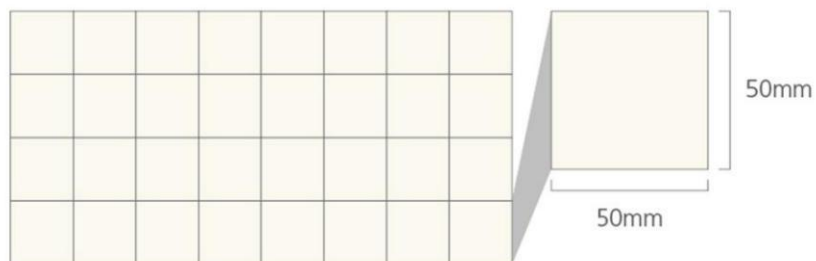
## WRITING BOARD STEEL

### White board steel features, coil & sheet :

- White color paint in high gloss (over 92.2 degree) unit coated steel.
- Smooth, flat surface for easy writing and clean erasing without ghost trace.
- Magnetic, good attractive by magnet.
- 3H-4H paint hardness with film covered surface.
- Coil inner diameter 508mm, sheet size 1 x 2 M, 1 x 0.8M, 1.2 x 2.4M and other customized size.



### White Grid Line Steel features, coil & sheet



( Grid Lines visible to the user, unseen by the audience. )



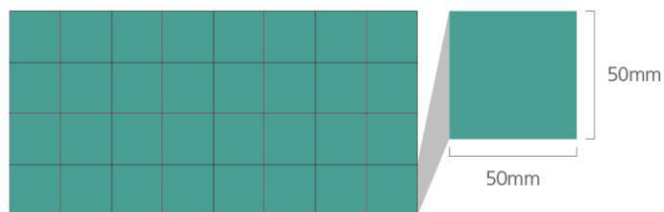
## WRITING BOARD STEEL



### Green board steel features, coil & sheet :

- Green color paint in low gloss unit (below 10 degree) coated steel.
- Rough, wear and flat surface for chalk easy writing and cleaning.
- Magnetic, good attractive by magnet.
- 6H paint hardness with film covered surface.
- Coil inner diameter 508mm, sheets size 1 x 2 M, 1 x 0.8M, 1.2 x 2.4M and other customized size.

### Green Grid Line Steel features, coil & sheet



( Grid Lines visible to the user, unseen by the audience. )



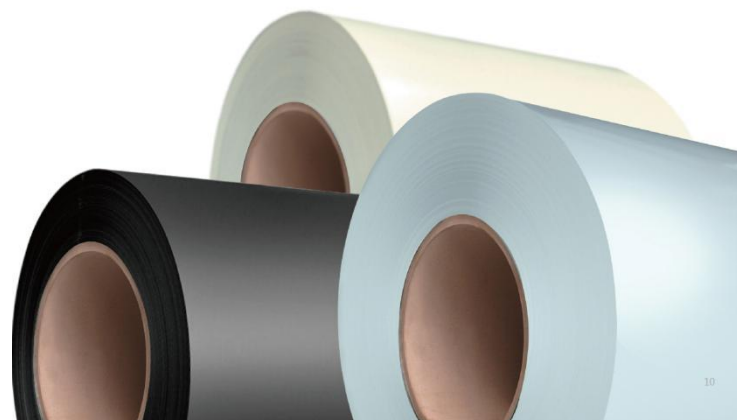
## OTHER COLOR WRITING BOARD STEEL

### 1. Projection board steel features, coil & sheet :

- ℓ Beige and white color paint in matt gloss unit (10 – 50 degree) coated steel.
- ℓ Wear and flat surface for class projection.
- ℓ Magnetic, good attractive by magnet.
- ℓ Coil inner diameter 508mm, sheets size 1 x 2 M, 1 x 0.8M, 1.2 x 2.4M and other customized size.
- ℓ Regular in white & beige color.

### 2. Black board steel, chalk and marker both are available.

### 3. Blue color steel with low gloss ( matt ) for marker pen.



Thickness	Width	Length (M) / Ton	Square meters
0.17mm	1000mm	749 - 753	749 - 753 M <sup>2</sup> / Ton
	1200mm	624 - 627	
0.20mm	1000mm	636 - 643	636 - 643 M <sup>2</sup> / Ton
	1200mm	530 - 535	
0.25mm	1000mm	509 - 513	509 - 513 M <sup>2</sup> / Ton
	1200mm	424 - 427	
0.30mm	1000mm	424 - 454	424 - 454 M <sup>2</sup> / Ton
	1200mm	353 - 378	
0.40mm	1000mm	318 - 335	318 - 335 M <sup>2</sup> / Ton
	1200mm	265 - 279	



## HOME APPLIANCE STEEL

### Home Appliance Steel ( PCM Panel ) :

The organic polymer material combines both the advantages and the thin substrate, both excellent colored organic polymer, form-ability, corrosion resistance, decorative, but also a high sheet strength and easy processing properties, it can be easily to punching, bending, deep drawing, welding and other processing, which makes the product of the composite material with excellent practicality, decorative, work-ability and durability. Currently, the main use of the new material roll coating process and film production. Products are mainly used in refrigerators, washing machines and other home appliances manufacturers produce various kinds of exterior parts. The company's main products is PCM according to the different features and different specifications, the company produces household appliances with a coating composite products can be divided into the following categories:

- Used in refrigerators. Washing machines and other home appliances door, lateral plate material PCM products.
- Other uses composite products.
- Embossed surface of D x 51/52/53D material metal and paint coated.



( Embossed Panel )



## HOME APPLIANCE STEEL

Normal Width ( mm ) 公称宽度	Yield Strength <280Mpa		Yield Strength ≥280Mpa	
	Flatness, not greater than 不平度, 不大于 (mm)		Flatness, not greater than 不平度, 不大于 (mm)	
	Normal precision PF.A	High precision PF.A	Normal precision PF.A	High precision PF.A
	普通精度	高级精度	普通精度	高级精度
	Normal thickness ( mm ) 公称厚度		Normal thickness ( mm ) 公称厚度	
	<0.7mm		<0.7mm	
≥600 - 1200	12	5	15	8
≥1200 - 1250	15	5	18	9

## Flatness & Yield Strength

Drawing 冲压	Hot-dip Galvanized 热镀锌板	Mechanical Properties (≤ 0.7mm) 力学性能	
Normal	SGCC/D X 51D	Tensile Strength 抗拉	≥270Mpa
		Yield Strength 屈服	130- 270Mpa
		Elongation 延伸率	28 - 36%
		Strain hardening 应变硬化	/
		Plastic strain 塑性应变	/
Middle drawing	SGCC/D X 52D	Tensile Strength 抗拉	≥270Mpa
		Yield Strength 屈服	120- 240Mpa
		Elongation 延伸率	32 - 28%
		Strain hardening 应变硬化	0.18
		Plastic strain 塑性应变	1.4
Deep drawing	SGCC/D X 53D	Tensile Strength 抗拉	260Mpa
		Yield Strength 屈服	120- 210Mpa
		Elongation 延伸率	36 - 38%
		Strain hardening 应变硬化	0.2

## Drawing & Physical properties



## PPGI / PPGL STEEL

### Substrate/base material

● Galvanized steel ( GI ) ● Galvalume steel ( GL ) ● Aluminum -Zinc steel ( AZ ) ● Stainless steel



**Big Wrinkle Surface**



**Matt rough surface**



**Ral 5015**



**Ral 3001**



**Ral 6005**

**Smooth surface with Ral No. color**

#### Surface Paint Coated :

Polyester	PE
High durable Polyester	HDP
Silicone-modified Polyester	SMP
Fluorocarbon Polyester	PVDF

**Application** : Roofing, wall, ceiling, shutter door, fence and cold room out side steel.

## PPGI / PPGL STEEL

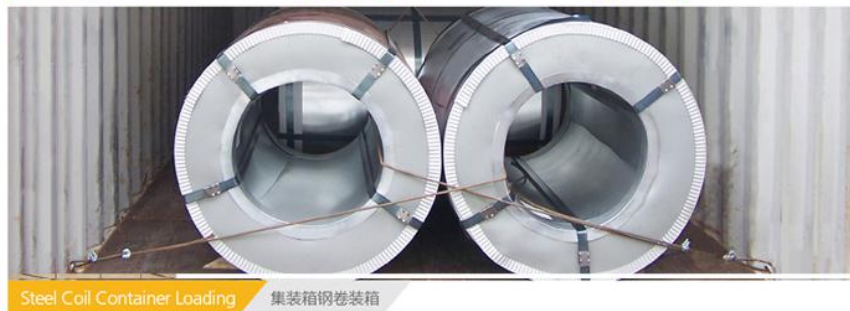
Coated specification :

Top coated ( two layers )	Bottom coated
16 microns	6 microns
18 microns	6 microns
20 microns	8 microns
22 microns	10 microns
25 microns	15 microns

**G550Mpa ( Full hardness steel )**

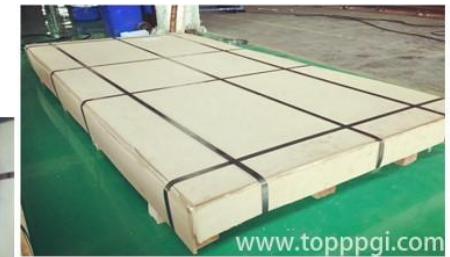






## PACKING & TRANSPORTATION

### PACKING



### LOADING

## FACTORY TEST



Finished metal thickness test 成品测试



Gloss test 光泽度测试



Paint coated thickness test 膜厚测试



Yield strength test 屈服测试



Salt spray test 盐雾测试



Impact test 冲击测试



Pencil hardness test 铅笔硬度测试



Cup drawing test 杯突测试

## QUALIFICATION HONOR



GB/T19001-2008/ISO9001:2008



GB/T24001-2004/ISO14001:2004



ISO9001



ISO14001





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Scanning obtain information

