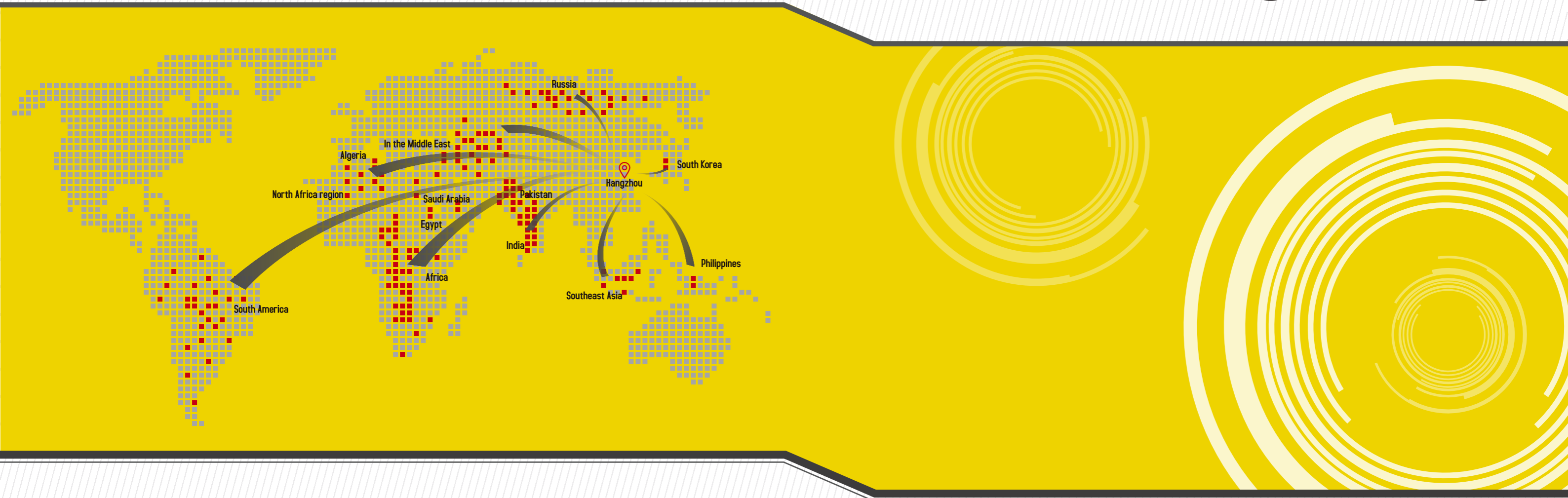


TECHNOLOGY CREATE EXCELLENCE



ZHEJIANG TIANNU COLOR STEEL CO., LTD.



NO. 8, ZAOLIN ROAD, LONGXIANG STREET,
TONGXIANG, ZHEJIANG, CHINA

<http://www.tn-cg.com>

<http://www.cnppgi.com>

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INTRODUCTION

- Our company established in January 2003
- Company's total investment is 50 million RMB
- Company covers an area of 50000M², and workshop area of 12000M².
- Company owns 85 skilled employees, 5 professional engineer and 15 experienced office staff.
- We have very convenient transportation, near seaport and airport of Shanghai and Hangzhou.
- Our capacity of production line is nearly 100,000 metric ton per year.

Our Concept:

TECHNOLOGY CREATE EXCELLENCE

Our Faith:

FAITHFULNESS AND MUTUAL BENEFIT

Our Purpose:

PROVIDE HIGH QUALITY PRODUCTS AND EXCELLENT SERVICE TO ALL CUSTOMERS.

Technology
Create
Excellence



HDGI / ALU-ZINC COIL

HDGI COIL is hot dipped galvanized steel coil; ALU-ZINC COIL is hot dipped galvalume steel coil.

With high anti-rust performance, they are popular used in construction, automobile, and household appliances. For example: roof, roof components, refrigerators, air conditions, dustbin, and billboards, etc.

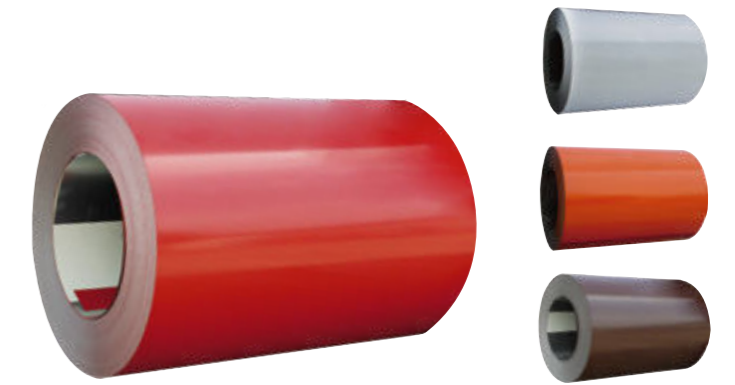


PRODUCT INDEX

Thickness	0.14-2.0mm
Width	600-1250mm
Zinc Coating	30 - 180g/m ²
Alu-zinc Coating	30 – 150g/m ² (55%alu-45%zinc)
Material	DX51D+Z, SGCC, JIS G3302 / DX51D+AZ, SGLCC, JIS G3321
Surface	Chromated or unchromated / oiled or unoiled
Spangle	zero spangle, mini spangle, regular spangle, big spangle
Coil ID	508 or 610mm

PPGI / PPGL COIL FOR CONSTRUCTION

PPGI / PPGL COIL full name is prepainted galvanized / galvalume steel coil, which is painted lacquer on top and bottom side of HDGI / ALU-ZINC coil. They are mostly used for construction with various paint colors, like warehouse, prefab house, and garage, etc. The advantages of PPGI / PPGL are light weight than traditional brick wall, high-strength, heat-insulation, colorful, and easy installation.



PRODUCT INDEX

BASE MATERIAL	HDGI, HDGL
THICKNESS	0.23-0.8mm
WIDTH	914-1250mm
INTERNAL DIAMETER	508mm
WEIGHT	3-7TON
PAINT	PE/PVDF
STRUCTURE	TOP 2/BACK 1

PERFORMANCE INDICATORS

TEST ITEM	TOP	BACK
PAINT THICKNESS	>5+18	5-7
GLOSSY	high 70±5/middle50±5/low30±5	35±5
COATING HARDNESS	≥H	≥H
T-BELT	≤3T	≤4T
IMPACT RESISTANCE	≥9J	≥6J
DISSOLVENT RESISTANCE	≥100	≥50
SALT SPAY TEST	≥720hr	
ACID RESISTANCE	SOAKED IN 5% HCL SOLUTION FOR 300HR WHITHOUT BLISTERING, COLOR FADING AND COATING PEEL-OFF	
ALKALI RESISTANCE	SOAKED IN 5% NAOH SOLUTION FOR 300HR WHITHOUT BLISTERING, COLOR FADING AND COATING PEEL-OFF	

SPECIAL APPLICATE PPGI / PPGL



PPGI / PPGL FOR HOUSEHOLD APPLIANCE



ANTI-SCRATCH PPGI / PPGL FOR SHUTTER



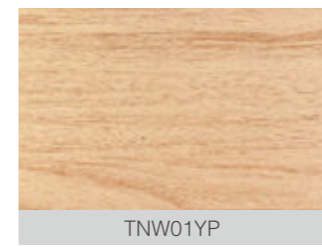
PPGI / PPGL FOR SOLAR HEATER



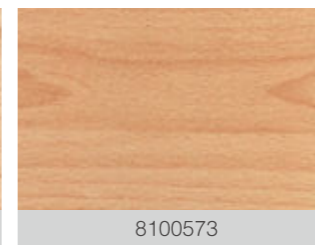
WRITING BOARD

PRINTED PPGI COIL

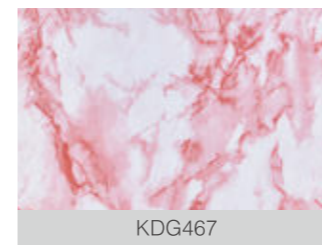
wooden / marble / flower designs are beautiful for decoration and making metal box and furniture, etc.



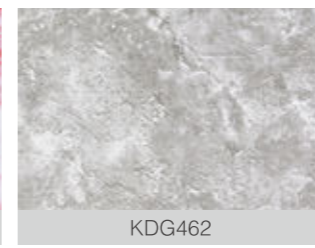
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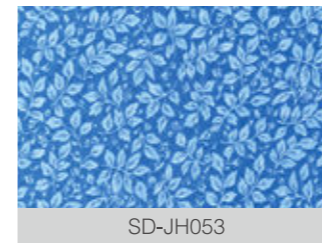
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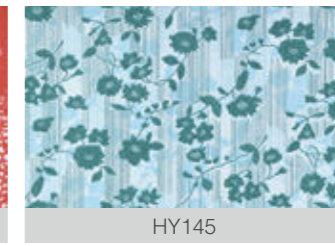
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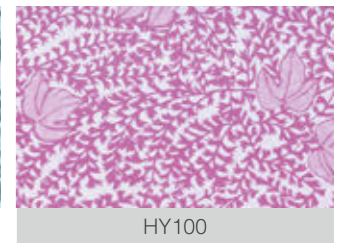
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BIG FLOWER



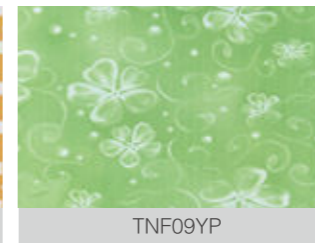
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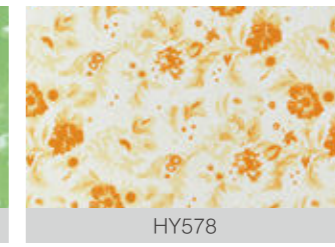
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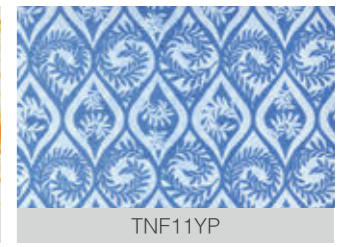
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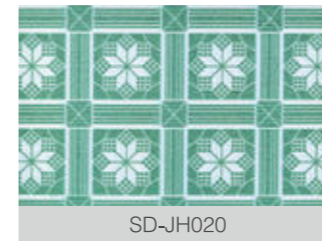
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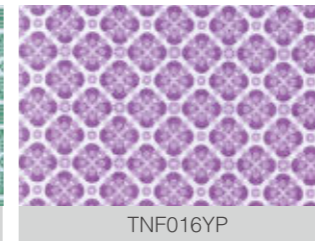
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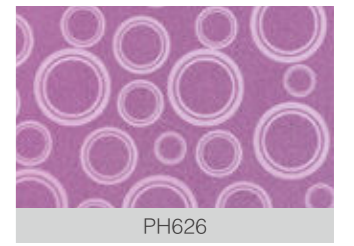
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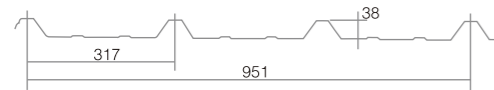


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PH626

ROOFING / CORRUGATED PPGI SHEET



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
A	1200	0.40	9.90	6.98	Wall & ROOF Panel
		0.60	15.67	10.43	
		0.80	18.92	13.58	



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
B	1000	0.40	7.10	3.12	Wall & ROOF Panel
		0.60	10.12	5.32	
		0.80	13.32	7.14	



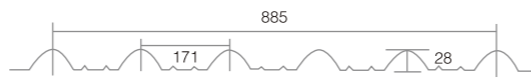
Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
C	1000	0.25	3.49	1.90	Wall & ROOF Panel
		0.30	4.19	2.23	
		0.40	5.58	2.97	



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
D	600	0.40	6.33	4.32	Wall & ROOF Panel
		0.50	8.01	5.53	
		0.60	8.98	6.59	



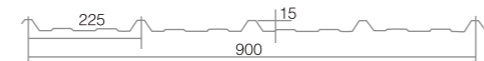
Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
E	914	0.45	11	9.59	Wall & ROOF Panel
		0.50	13.70	11.50	
		0.60	16.10	14.41	



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
F	1150	0.45	13.28	11.28	Wall & ROOF Panel
		0.50	15.50	13.20	
		0.60	19.70	16.50	



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
G	1000	0.38	0.94	2.12	Wall & ROOF Panel
		0.42	1.06	2.41	
		0.47	1.28	2.70	



Model	Coil (mm)	Thick-ness (mm)	I (cm ² /m)	W± (cm ² /m)	Usage
H	1000	0.40	1.98	3.58	Wall & ROOF Panel
		0.60	2.23	4.52	
		0.80	3.42	6.78	

PPGI PAINT

Our TIANNU group set up paint factory in the year of 1980, and it gained the Famous Trademark of China. As long term business and good quality, our paint is well known in Chinese market and always used in big projects.



COLOR TECHNICAL SPECIFICATIONS

	Test	topcoat Result
	Substrates	Hot dip galvanized
01	Product type	very high performance polyester
02	Color	ΔE*and ΔE00 < 1 unit and also different in appearance mustn' t be detectable with eye.
03	Viscosity	85±5s
04	Weight solid%	1210±40 kg/m3 variety after test to use mustn' t be above 10 unit
05	Coverage	> 370 M ² /kg. μm
06	PMT	220-235 °c
07	T-bend	≤2T
08	MEK rub Test	100 times (double)
09	Resin	Resin polyester modified with melamine
10	Salt spry test	500 hr
11	Solvent	Aromatic hydrocarbon with high boiling point (without chlorine)
12	Pot life	At least 6 month in Temperature less than 35 °c
13	Fire Hazard	(flash point = 50degrees centigrade), 2B
14	UVA	2000 hr , after test gloss>50%-ΔE<3
15	Weight solid%	volume(63±2), weight(48±2) ISO3251
16	Pencil hardness Test	minimum 1H
17	Impact Test	13 J , EN-13523-5, D2794
18	HCl Resistance	15% , 200-250 hr , with soak method



T-BEND test

Lacquer impacting tester

Infrared Thermometer

Coating thickness gauge

Gloss meter

QUALITY CONTROL AND RESEARCH CENTER

We are using precision instrument for researching and quality control.



CERTIFICATES



HONORS

