

Prepainted Galvanized steel



Introduction

Color coated steel sheet is a novel pre-coated band steel product which rapidly develops internationally in the recent thirty years. It is made by performing processes such as chemical pretreatment, primary coating and fine coating on a high-speed continuous operating unit. The color coated steel sheet has the advantages of excellent decorativeness, formability, corrosion resistance and environment friendliness, strong adhesive force of the coating, and long-time color freshness. Achieving good economic benefits such as substituting steel for wood, efficient construction, energy saving, pollution prevention, etc., it has become an ideal material for manufacturing building sheets, external decorative materials, home appliances and electric appliances at present.

Under the philosophy of "Vigorously Developing Enterprise by Technology", the company adopts American direct-fired heating technology, greatly reducing energy consumption and reducing cost; the roller coater adopts the most advanced French technology on the world, and the plant construction adopts high-cleanliness sealing method, meeting the requirements of dust-free production and ensuring product quality; to meet the demand of the market on high-end color-coated sheets, the company has increased three-color printing process, which meets the demand of high-end users. At present, most domestic sheets are ordinary color-coated sheets, so that high-grade color-coated sheets with high technical content have wide market prospect in China.

Applications

- Box Type Container
- Furniture and office equipment
- Transportation Industry
- Agricultural Equipment
- Other: Electrical and Lighting Equipment



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Specification

certificate	ISO9001:2008
standard	JIS G3302,GB/T-12754-2006,EN10142
grade	CGCC,CGCH,CGCD1-CGCD3,CGC340-CGC570,GRADE
type	Steel coil Steel sheets/plates Corrugated steel Sheets/plates
technique	cold rolled
thickness	0.16-2.0mm
width	50-1250mm
length	as customer demand
coil weight	<10MT/MAX
coil diameter	508mm
color	all RAL color number
painting thickness	top side:20 + - 5 microns bottom side : 5-7 microns
base metal	hot dipped galvanized steel

涂层结构:
Coating Structure

- ①精涂层 (面漆) Fine coating
- ②初涂层 (底漆) The beginning of coating
- ③化学转化层 Chemical conversion layer
- ④镀锌层 Zinc coating
- ⑤冷轧层 Cold layer

颜色识别图谱
Color Pattern Recognition

海蓝	白灰	绛红	象牙白	荷叶绿	桔黄	石南紫
酒红紫	米红色	天蓝	银灰	钛白	米黄	瓷蓝
砖红	淡粉红色	绿松石蓝				
藏绿色						



Base mental for the prepainted galvanized steel

Standard:GB

Mark	Yield Strength/Mpa	Tensile Strength/Mpa	Percentage Elongation After	R90 Not less than	N90 Not less than
DX51D+Z,DX51D+ZF		270-500	22		
DX52D+Z,DX52D+ZF	140-300	270-420	26		
DX53D+Z,DX53D+ZF	140-260	270-380	30		
DX54D+Z	120-220	260-350	36	1.6	0.18
DX54D+ZF			34	1.4	0.18
DX56D+Z	120-180	260-350	39	1.9	0.21
DX56D+ZF			37	1.7	0.2
DX57D+Z	120-170	260-350	41	2.1	0.22
DX57D+ZF			39	1.9	0.21

Standard:ASTM

Typical Ranges of Mechanical Properties						
Designation	Longitudinal Direction				r _n Value ^c	n Value ^d
	Yield Strength		Elongation in 2 in. [50mm], %			
	ksi	Mpa				
CS Type A	25/55	[170/380]	≥20		E	E
CS Type B	30/55	[205/380]	≥20		E	E
CS Type C	25/60	[170/410]	≥15		E	E
FS Type A	25/45	[170/310]	≥26		1.0/1.4	0.17/0.21
and B						
DDS Type A	20/35	[140/240]	≥32		1.4/1.8	0.19/0.24
DDS Type C	25/40	[170/280]	≥32		1.2/1.8	0.17/0.24
EDDS ^f	15/25	[105/170]	≥40		1.6/2.1	0.22/0.27

GI,PPGI STEEL IN COIL



STEEL COIL LOADING IN CONTAINER

