

PPGI/PPGL/PPGF

Colored coating steel plate

PPGI/PPGL/PPGF

Pre-painted Hot-Dip Galvanized Steel (PPGI:Pre-painted Zinc Coated Steel)

Pre-painted Hot-Dip Galvalume Steel (PPGL:Pre-painted 55% Al-Zn Coated Steel)

Pre-painted Hot-Dip Galvafan Steel (PPGF:Pre-painted 5% Al-Zn Coated Steel)

Pre-painted steel, is made out through coating steel plate with organic paint in various colors.

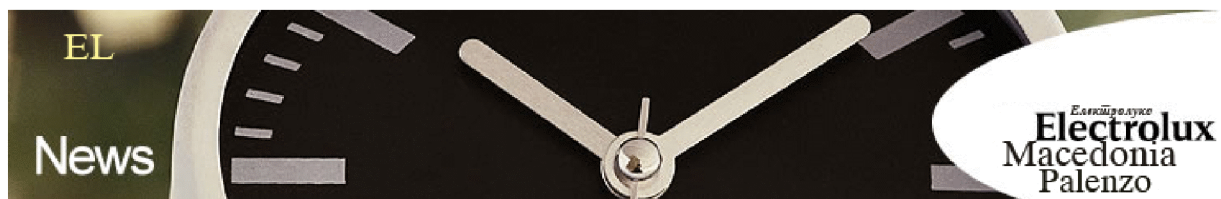
pre-painted steel that is applied organic colorful paint on base material of hot-dipped galvanized steel enjoys dual protection by zinc coating and organic surface paint, which effectively avoids rust and extends duration to 1.5times of steel band only with zinc coating.

pre-painted steel is featured in light weight, beautiful appearance and good corrosion resistance. It can directly be worked. Its use range covers several sectors like construction, home appliance.

user can select proper paint for colored band like polyester silicon modified polyester, polyoxyethylene plastic collosol, poly (vinylidene fluoride) and so on according to application conditions. Pre-painted steel is going to replace wood and other material with its advantages, such as: avoiding discoloration, climate tolerance and anti-powdering. It reduces most of the maintenance charge. At the same time, the various colors and the special surface coating and structure endow pre-painted steel a great mobility and plasticity in every application area. In china, construction is the main application area of pre-painted steel. At the same time, as its advantages being known and the technology improving day by day, it is not only well used in steel producing area, it is also accepted by car producer, nonferrous metal, electromechanical device, electricity, coal mine, light manufacturing, medicine, foodstuff, furniture, current consumption.

COLD ROLLED PRE-PAINTED COILS, GALVANIZED PRE-PAINTED COILS, GALVALUME PRE-PAINTED COILS AND GALFAN PRE-PAINTED COILS provide formability, drawability, weathering resistance and chemical resistance.





| Product Type | | Type of Coating or Lamination Film | | Product Spec. | | | | Zinc Coating Code | | |
|-------------------|--|------------------------------------|-----------------------------|-----------------|--------|-----------|---------|-------------------------------|-------|----------------|
| I. | Pre-painted hot dip galvanized steel coil | 1 | Polyester | JIS G3312 | CGCC | JIS G3318 | CZACC | JIS | G3302 | ASTM A653 M-94 |
| | | | | | CGCC11 | | CZAC11 | | Z10 | |
| | | | | | | | | | Z12 | Z120 |
| | | | | | | | | | | Z180 |
| II. | Pre-painted 5% Al-Zn coated steel coil | 2 | Silicone Modified Polyester | | CGCD1 | | CZACD1 | | Z18 | Z275 |
| | | | | | | | | | Z20 | Z350 |
| | | | | | CGC340 | | CZAC340 | | Z22 | Z450 |
| | | | | | | | | | Z25 | |
| II I | Pre-painted 55% Al-Zn coated steel coil | 3 | Acrylic | | CGC400 | | CZAC400 | | Z27 | ASTM A792 M |
| | | | | | | | | | Z35 | |
| | | | | | CGC440 | | CZAC440 | | Z45 | AZ150 |
| I V | Pre-painted electrolytic galvanized steel coil | 4 | PVDF | | CGC490 | | CZAC490 | JIS G3313 E8.E16.E24. E32.E40 | | AZ165 |
| | | | | | CGC570 | | CZAC570 | | | AZ180 |
| | | | | ASTM A755 | | | | JIS G3313 E8.E16.E24. E32.E40 | | |
| Coating Thickness | | | | Substrate Spec. | | | | | | |



| | | | | | | |
|------------|--------------------|------------|--------|------------------------|--------------------|-----------------|
| Primer | PU or Epoxy 5µm | JIS G330 2 | SGCC | ASTM A653M-94 | | ASTM A792M |
| Top Coat | 15-25µm | | SGCH | | CQ.DQ.LFQ SQ Grade | CQ.LFQ SQ Grade |
| | | | SGCD1 | | | |
| | | | SGC340 | | 230,255 | 230,255, |
| Back- coat | PE or Epoxy 5-12µm | | SGC400 | | 275,340 | 275,345, |
| | | | SGC440 | | 550 | 50 |
| | | | SGC490 | JISG3313 SAIC.D.E SA2C | | |
| | | | SGC570 | | | |

| PRODUCT NAME | SIZE | | | | MAX WEIGHT (MT) | COATING THICKNESS (m) |
|-----------------------------------|----------------|------------|---------------------|---------------------|-----------------|--------------------------------|
| | THICKNESS (mm) | WIDTH (mm) | INNER DIAMETER (mm) | OUTER DIAMETER (mm) | | |
| POLYESTER COATED(PE) | 0.26~ 1.5 | 700~1300 | 508 | 800~1600 | 5 | TOP:13 - 25 BACK:5 - 20 |
| SILICONE MODIFIED POLYESTER (SMP) | | | | | | TOP:15 - 25 BACK:10 - 25 |
| P.V.CLAMINATED(PVC) | | | | | | TOP:150 - 300 BACK:80 - 200 |
| P.V.D.F COATED(PVDF) | | | | | | TOP:25-100 ?BACK:25-100 |

| | | |
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| <div> <div>EL</div> <div>News</div> <div> <div>Electrolux</div> <div>Macedonia</div> <div>Palenzo</div> </div> </div> | | |
| Applications | Buildings and Construction | Roofing, Siding, Sashes, Shutters, Rain Doors, Various Fixtures, Partitions, Ceilings, Fences, Sheds. |
| | Transportation | Air Cleaners, Pipes, Marine Panels, Oil filters, Dash panels. |
| | Gas and Kerosene Devices | Heaters, Cooking Stoves, Kerosene Tanks, Hot Water Equipment, Ducts. |
| | Kitchen Equipment | Ovens, Ranges, Sinks, Kitchen Units, Shelves, Toilet Stands, Cooker Wrappers. |
| | Electrical and Lighting Equipment | Washing Machines, Refrigerators, Room Coolers, Fluorescent Light Housings, Switch Boxes, Motor Cases, Distribution Boards, Copy Machines. |
| | Furniture and Office Equipment | Steel Furniture, Partitions, Curtains, Walls, Blinds. |
| | Agriculture | Drying Machines and Other Farm Equipment, Greenhouses, Silos, Barns, Sheds. |
| | Containers and Others. | Vending Machines, Display Cases, Cans, Pressure, Bins, Signboards. |
| REMARK : THE AVAILABLE MATERIALS FOR PREPAINTED ARE CR, CGI, GL, AL. | | |

Standard Color

● **Pre-painted Hot-Dip Galvanized Steel Coils**

| | | | | |
|-------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|
| <p>Topcoat</p> <p>Brick Red 100</p> | <p>Topcoat</p> <p>Light Green 400</p> | <p>Topcoat</p> <p>Lotus White 8A1</p> | <p>Topcoat</p> <p>Reed Yellow 326</p> | <p>Backcoat</p> <p>Beige 351</p> |
| <p>Cream 301</p> | <p>Snow White 801</p> | <p>Sea Blue 524</p> | <p>Cadmium Red 114</p> | <p>Grayish White 851</p> |
| <p>Taiwan Blue 500</p> | <p>Moss Green 414</p> | | | <p>Grey 954</p> |

Remark 1. The color presented here differs slightly from the actual color due to printing limitations. Please refer to our sample panels for more precise representation of the colors.
2. Other colors are available subject to inquiry.