

PPGI COILS & COLOR COATING

Our PPGI coils are available in a variety of standard and custom colors, offering exceptional surface finish, durability, and UV resistance

FEATURED RAL COLORS

THICKNESS :

0.18 mm – 1.00mm

COATING MASS :

zinc 80,120,180,275

WEIDTH :

800m- 1250mm

COATING SYSTEMS :

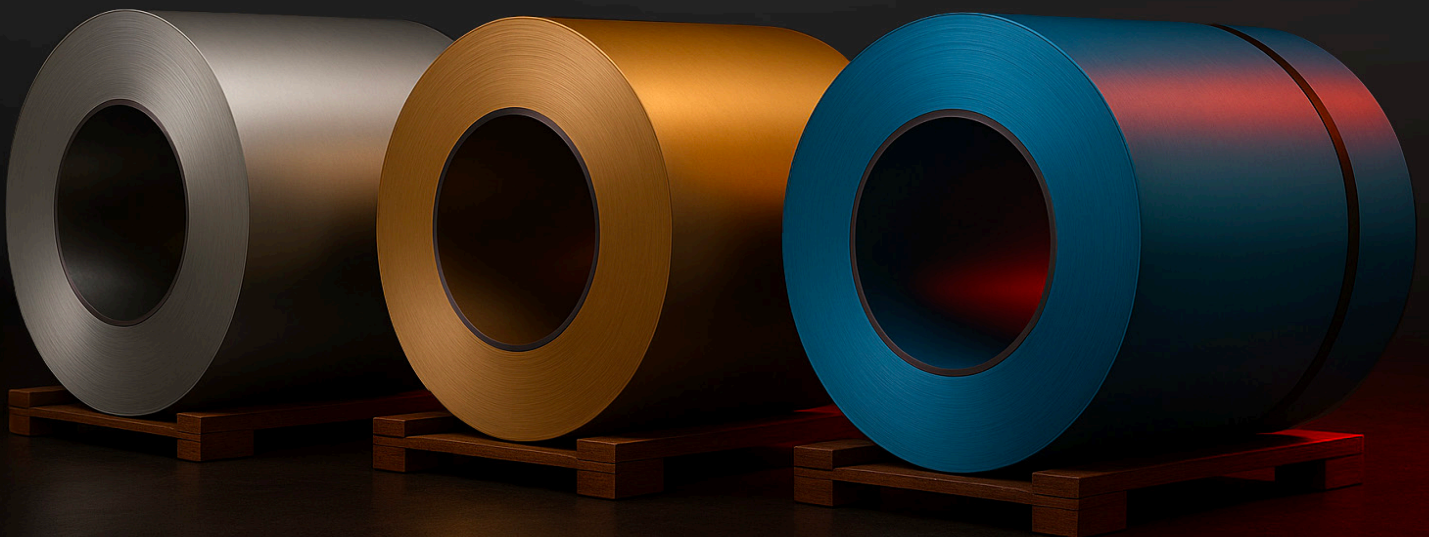
Polyester (PE), SMP, PVDF Glossy, Matte, Textured

TYPE OF SPANGLE :

zero spangle

COATING THICKHNESS :

top : 18:30 micron back : 6:8



Other RAL colors available upon custom request

PPGI COIL PRODUCTION LINE



Pyramids Steel ensures high-quality PPGI coils by following a precise, fully controlled production line. Each step is designed to guarantee superior surface quality, consistent coating thickness, corrosion resistance

1- UNCOILING:

Uncoiling is the process of unwinding metal from a large coil (also called a roll) to prepare it for further processing, such as cutting, forming, or rolling. The material is fed from the coil into the production line in a straightened or flattened form



2-DUAL HEAD UNCOILER SYSTEM :

A system that uses two coil mandrels to feed the production line without interruption. One coil is in use while the other is prepared as a backup, allowing for immediate switching and ensuring continuous operation



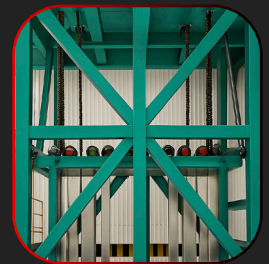
3-WELDING:

Welding in this context refers to joining the end of one coil to the beginning of the next



4- ENTRY ACCUMULATOR

An Entry Accumulator is a mechanical storage system used at the beginning of a continuous processing line to temporarily hold material (usually metal strip from coils) in order to ensure uninterrupted operation of the main production line while coil changeover (uncoiling and welding) takes place



5- CLEANING & DEGREASING

Cleaning & Degreasing is a surface preparation process used in manufacturing—especially in metal processing—to remove contaminants such as oil, grease, dirt, dust, and metal particles from the material surface before further processing like coating, painting, plating, welding, or forming.



PPGI COIL PRODUCTION LINE

6-CHEMICAL PRETREATMENT :

Chemical Pretreatment is a surface treatment process applied to metal materials before painting, coating, or plating to enhance corrosion resistance, paint adhesion



7- PRIMER COATING :

is the first layer of coating applied to a surface to improve adhesion, provide protection against corrosion, and create a smooth base for the topcoat. It enhances the durability and appearance of the final finish



8- BACK COATING :

is a layer of protective coating applied to the back or reverse side of a material, such as metal. It helps improve durability, resistance to environmental factors, and provides additional protection against corrosion or damage.



9- CURING OVEN :

is a heated chamber used to harden or set coatings, paints, adhesives, or materials by applying controlled heat over a specific period. This process speeds up chemical reactions, ensuring proper bonding, strength, and durability of the applied coating



10- COOLING SECTION :

is a stage in a production line where processed materials are cooled down after heating, curing, or coating to stabilize their structure and prepare them for handling, further processing, or packaging



PPGI COIL PRODUCTION LINE



11- TOP/FINISH COAT

is the final layer of paint or coating applied to a surface to provide the desired appearance, color, and protection against environmental factors like UV, moisture, and wear.



12- EXIT ACCUMULATOR :

is a storage system at the end of a continuous production line that temporarily holds material to allow the main line to keep running while downstream processes like cutting, stacking, or packaging are paused or adjusted.



13- RECOILING (IN COIL COATING) :

is the process of rewinding the coated metal strip back into a coil after coating, drying, and inspection, preparing it for storage, transport, or further processing.



PPGI APPLICATIONS



Pyramids Steel's PPGI coils are renowned for their durability, corrosion resistance, and versatility across multiple industries. Below are major applications where our products demonstrate their exceptional quality.

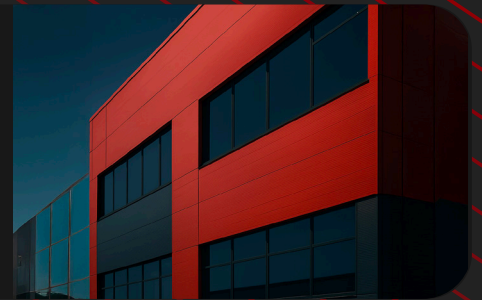
SANDWICH PANELS

Protective and weather-resistant outer layers for insulated panels



WALL CLADDING

Modern facades and architectural designs with high weather resistance



HOME APPLIANCES

Appliance bodies like refrigerators, washing machines, and microwaves



ADVERTISING BOARDS & SIGNAGE

Used in vibrant displays and durable outdoor signage



CORRUGATED SHEET

Roofing and cladding with classic profiles for weather resistance.

