

# Primer Type of PPGI

--by wanzhi steel research institute

## Color coated plate primer type

The types of color coated primers are epoxy, polyester, acrylic and polyurethane.

The primer is generally selected according to the use of the product, the occasion of use, the degree of processing, and the matching with the topcoat. The film thickness of the primer is usually 5-7um.

### (1) Epoxy primer

It has good adhesion to the substrate, water resistance, alkali resistance and chemical corrosion resistance. It is the first primer for coils and its flexibility is not as good as other primers.

### (2) polyester primer

It has good adhesion to the substrate, excellent flexibility, sensitivity to humid environments, and chemical resistance to epoxy primers.

### (3) Water-soluble acrylic primer

Good adhesion to the substrate, good flexibility, low organic solvent content, low temperature curing.

### (4) Polyurethane primer

It has good chemical resistance, durability and flexibility.