

# JIS

## JAPANESE INDUSTRIAL STANDARD

### Polyurethane resin paint for steel structures

JIS K 5657—1992

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In the event of any doubt arising,  
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Polyurethane resin paint for steel structures K 5657-1992

1. Scope This Japanese Industrial Standard specifies the polyurethane resin paint for steel structures which can be used for fine finishing with corrosion resistance and weathering.

- Remarks
1. The polyurethane resin paint for steel structures specified in this Standard is the paint, with long-term corrosion resistance and weathering, used for fine finishing, of such as bridge, tank, plant, and other steel structures; is classified into two types, the intermediate coat of polyurethane resin paint for steel structures, and the finish coat of polyurethane resin paint for steel structures; and they should be combinatively applied when making coatings.
  2. The intermediate coat of polyurethane resin paint for steel structures is prepared to improve the adhesiveness by combinatively applying with the finish coat of polyurethane resin paint for steel structures. This is two-part type liquid paint consisting of base material, in which main ingredients are epoxy resin or polyol resin, pigments, solvent, etc., and of hardener, in which main ingredients are polyamide resin, polyisocyanate resin, etc.; and can be dried and hardened at ordinary temperature by mixing them when being employed.
  3. The finish coat of polyurethane resin paint for steel structures is two-part type liquid paint consisting of base material, in which main ingredients are polyol resin, pigments, solvent, etc., and of hardener, in which main ingredients are polyisocyanate resin etc.; and can be dried and hardened at ordinary temperature by mixing them when being employed.
  4. The standards cited in this Standard shall be as follows.
    - JIS K 5400 - Testing methods for paints
    - JIS K 5407 - Testing methods for paint components
    - JIS K 5410 - Panels for testing paints
    - JIS K 5500 - Glossary of paint terms
    - JIS K 5551 - Epoxy resin paint
    - JIS K 8576 - Sodium hydroxide
    - JIS K 8951 - Sulfuric acid
    - JIS P 3801 - Filter paper (for chemical analysis)
    - JIS S 6050 - Plastic erasers
    - JIS Z 1522 - Pressure sensitive adhesive cellophane tapes
    - JIS Z 8401 - Rules for rounding off of numerical values
    - JIS Z 8721 - Specification of colours according to their three attributes

5. The terms used in this Standard shall follow JIS K 5500.
6. The units and numerical values given in { } in this Standard are based on the traditional units, and are appended for Informative reference.

2. Classification Classification shall be as follows.

- (1) Intermediate coat of polyurethane resin paint for steel structures It can be used for mainly intermediate coating for steel structures.
- (2) Finish coat of polyurethane resin paint for steel structures It can be used for mainly finish coating for steel structures.

3. Quality The quality of polyurethane resin paint for steel structures shall conform to the requirements given in Table 1 when tested according to 5.