

# JIS

## JAPANESE INDUSTRIAL STANDARD

Fluoro resin paint  
for steel structures

JIS K 5659—1992

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.

## JAPANESE INDUSTRIAL STANDARD

J I S

Fluoro resin paint for steel structures

K 5659-1992

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

Remarks 1. The fluoro 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 fluoro resin paint for steel structures, and the finish coat of fluoro resin paint for steel structures; and they should be combinatively applied when making coatings.

2. The intermediate coat of fluoro resin paint for steel structures is prepared to improve the adhesiveness by combinatively applying with the finish coat of fluoro 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 is dried and hardened at ordinary temperature by mixing them when being employed.

3. The finish coat of fluoro resin paint for steel structures is two-part type liquid paint consisting of base material, in which main ingredients are fluoro resin, pigments, solvent, etc., and of hardener, in which main ingredients are polyisocyanate resin etc.; and is 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 0122 General rules for ion-selective electrode method

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 for paint terms

JIS K 5551 Epoxy resin paint

JIS K 8005 Standard substances for volumetric analysis

JIS K 8180 Hydrochloric acid

JIS K 8576 Sodium hydroxide

JIS K 8615 Potassium carbonate

JIS K 8951 Sulfuric acid

JIS P 3801 Filter paper (for chemical analysis)

JIS R 3503 Glass apparatus for chemical analysis

JIS R 3505 Volumetric glassware

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 fluoro resin paint for steel structures It shall be used for mainly intermediate coating for steel structures.
- (2) Finish coat of fluoro resin paint for steel structures It shall be used for mainly finish coating for steel structures.

3. Quality The quality shall conform to the requirements given in Table 1 when tested according to 5.