

**Technical Data sheet**

Revision Date : 01/2015

Rev No.: 1

Chemical Name Hybrid Pigment Red  
Model No. JF-R3012  
Main composition High performance organic pigment with Titanium Yellow  
Color Reference Mass Tone  
Tint Tone 1:4

**Regulations**

EU RoHS Directive 2011/65/EU Compliant  
EN71Part 3:1994 (A1:2000/AC2002) Compliant  
US FDA 21 CFR 177.1520 Compliant  
ASTM F963-08 (Clause 4.3.5) Compliant

**Physical Properties****Fastness Properties**

|                       |                   |                               |         |
|-----------------------|-------------------|-------------------------------|---------|
| Appearance            | bright red powder | Heat Stability (°C) ≥         | 250     |
| Mean particle size μm | less than 2.5     | Light fastness (grade 1-8)    | 7-8     |
| Moisture Content      | less than 1%      | Weather fastness (grade 1-5)  | 4-5     |
| Water soluble salt    | less than 1%      | Acid Resistance (grade 1-5)   | 4-5     |
| Oil Absorption g/100g | 14-22             | Alkali Resistance (grade 1-5) | 4-5     |
| PH Value              | 6-9               | Density g/cm <sup>3</sup>     | 4.0-5.0 |

**Suggested Application**

1) Paints, coatings: Road marking paint, Exterior coating, industrial coating, aerospace and marine coatings, automotive coating, decorative coating, rock frescos coating; powder coating, oily paint, water-based paint; light-resistance paint, weather-resistance paint, high-temperature paint...etc.

2) Plastic: PVC, engineering plastic, masterbatch...etc.

3) Inks: Colored inks, watermark inks, concave-convex inks...etc.

4) Building material: Colored sand, concrete...etc.