

**Product Model:** FY 313

FY 313 is iron oxide yellow with stable quality, good dispersion, high coloring intensity.

It is mainly used for wall painting in construction industry, coloring of mosaic floor, artificial marble and cement products, as well as coloring of ink, rubber, plastic and paper-making.

Iron oxide yellow is insoluble in alkali, slightly soluble in acid and completely dissolved in concentrated hydrochloride acid. The thermal stability is poor. It starts dehydration when heated to 150-200°C. when the temperature rises to 270-200°C, it dehydrates and turns into iron oxide red.

**Product Properties**

|                                        |                  |                |
|----------------------------------------|------------------|----------------|
| Appearance                             | Powder           |                |
| Fe <sub>2</sub> O <sub>3</sub> content | ≥ 86.0%          | DIN 55913-2    |
| Water soluble salt                     | ≤ 0.5%           | DIN 55913-2    |
| Moisture at 105°C                      | ≤ 1.0%           | DIN 55913-2    |
| Oil absorption                         | ~35g/100g        | DIN ISO 787-5  |
| Sieve residue on 0.045mm mesh          | ≤ 0.1%           | DIN 53195      |
| Color compared with standard           | Similar~a litter | DIN ISO 787-16 |