

# Technical Data Sheet

## RB3800 Red Iron Oxide



### Introduction:

Red iron oxide pigment

CAS No. 1332-37-2

EC No. 215-570-8

**RB3800 Red Iron Oxide** has excellent covering power and colour strength as well as improved mechanical handling and lower water demand.

**RB3800 Red Iron Oxide** meets the requirements of EN12878:2005

### Uses:

**RB3800 Red Iron Oxide** is a non-fading, chemically stable pigment especially suitable for polymer and construction applications, as well as the various chemical uses of iron oxides. In addition, it has been engineered to assure excellent water wettability, alkali resistance, curing stability and lightfastness.

### Typical Characteristics:

| <b>Composition</b> |   |                               |              |
|--------------------|---|-------------------------------|--------------|
|                    | <b>Substance</b>                          | <b>Unit</b>                   | <b>Value</b> |
|                    | Fe <sub>2</sub> O <sub>3</sub>            | %                             | 96           |
|                    | Trace Compounds                           | %                             | 3.5          |
|                    | Moisture (Measured at time of production) | %                             | 0.6          |
| <b>Properties</b>  |   |                               |              |
|                    | <b>Description</b>                        | <b>Unit</b>                   | <b>Value</b> |
|                    | Colour index                              |                               | 77491        |
|                    | Colour difference (Cielab), TDE           |                               | 1.0          |
|                    | pH  | ---                           | 3.5 - 7      |
|                    | Particle Size                             | Sieve Residue on 324 mesh (5) | 0.1          |
|                    | Particle Shape                            | ---                           | Rhombohedral |
|                    | Specific Gravity                          | g cm <sup>3</sup>             | 4.9          |
|                    | Water soluble salts                       | %                             | 0.5          |
|                    | Tinting Strength                          | %                             | 95 - 105     |
|                    | Soluble Chloride                          | %                             | 0.004        |
|                    | Total Chloride                            | %                             | 0.006        |

### Packaging:

25-kilo or 20-kilo multi-ply paper bags.

### Shelf Life:

If stored in dry conditions, out of direct sunlight and avoidant of extreme temperatures, product performance should be unimpaired for 5 years.

### Health & Safety:

Detailed advice on the Health & Safety aspects of this product is given in the individual product Safety Data Sheet (SDS), available upon request.