

# Synthetic Red Iron Oxide Manufacturing Business

## Description:

### **Synthetic Red Iron Oxide Manufacturing Business. Production of Iron Oxide Pigments. Synthetic Iron Oxide Factory**

Synthetic red iron oxide is the most common colorant in ceramics and has the highest amount of iron. It is available commercially as a soft and very fine powder made by grinding ore material or heat processing ferrous/ferric sulphate or ferric hydroxide. During firing all irons normally decompose and produce similar colors in glazes and clay bodies (although they have differing amounts of Fe metal per gram of powder). Red iron oxide is available in many different shades from a bright light red at a deep red maroon, these are normally designated by a scale from about 120-180 (this number designation should be on the bags from the manufacturer, darker colors are higher numbers), however in ceramics these different grades should all fire to a similar temperature since they have the same amount iron. The different raw colors are a product of the degree of grinding.

Synthetic Iron Oxides have become increasingly important due to their pure hue, consistent properties, and tinting strength. Single-component forms are mainly produced with red, yellow, orange and black colours. Their composition corresponds to that of minerals hematite, goethite, lepidocrocite, and magnetite. Brown pigments usually consist of mixtures of red and/or yellow and/or black iron oxides.

### **Uses of Synthetic Iron Oxide Pigments**

These pigments are used in wood and paper stains, linoleum, oilcloth, paints, mortar, plaster, bricks, rubber and for other pigment able substances. The range of applications of synthetic Iron Oxide Pigments is longer than the Natural Iron Oxide Pigments.

### **Synthetic Iron Oxide are used in the following types of industry:**

- Cement industry, to Colour every kind of cement, mortar, grout, pavements, tiles, blocks, etc.
- Paintings: primer, waterproof, enamels, decoration painting, coverings, etc.
- Plastics: master batch, PVC, etc.
- Paper industry: carton, mouthpiece for cigarettes, etc.
- Glass industry, abrasives, food for animals, cosmetics, skins rubber, asphalt, etc.

### **For more details download PDF file.**

**Keywords:** Synthetic Red Iron Oxide, Iron Oxide Pigments, Synthetic Iron Oxide, Preparation of Red Iron Oxide, Production of an Iron Oxide Pigment, Making of Iron Oxide Pigment, Synthetic Iron Oxide Production Process, Synthetic Iron Oxide Uses, Iron Oxide Pigment Manufacturing Process, Synthetic Iron Oxide Pigments Manufacture, Manufacturing of Iron Oxide, Iron Oxide Pigments Manufacturing Process, Manufacturing of Synthetic Red Iron Oxide Pigments, Iron Oxide Synthetic, Synthetic Iron Oxide Production Pr

**Created At:** 27 Sep, 2018