



ArcelorMittal

Regeneration products 2024



Applications

Our iron oxides Rütthner Fe_2O_3 are used by various industries.

Iron oxides Rütthner are required to produce soft and hard **ferrites** needed by electronic industry. They are also used by **glass** industry to colour its products. **Pigments** for ceramics is another application field of iron oxides produced by ArcelorMittal. **Water treatment** industry consumes iron oxides Rütthner as well to purify water.



ArcelorMittal plants



Thanks to its presence in Europe and North America, ArcelorMittal supplies customers throughout these two continents

Technical description

The decomposition of ferrous chloride in an oxidising medium in a furnace at more than 400 C gives a red powder, iron oxides R thner.

State of matter: red powder

pH : between 4 and 6 in water solution

Decomposition temperature : >1000 C

Solubility : Low

Density : 3500 kg/m³

Particle size : 0.4  m (the lower value measured)

Chemical component	AM Mardyck
Iron oxide	98.8%
Manganese oxide	0.46%
Chlorine	0.18%
Silicon dioxide	0.03%
Aluminum oxide	0.04%
Calcium oxide	0.02%



Contact

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