

MIO Products Data Sheet



Version Date:2010-05-28

Short Description:

Micaceous Iron Oxide pigments are unique and excellent anti corrosive pigment for industrial coating, etch primer, intermediate paint and other many applications.

Product introduction:

Micaceous iron oxide (MIO, including MIOR and MIOG) pigments are processed and production by high quality natural iron glance, non-toxic, tasteless, both excellent anticorrosive property, also with good conductivity and thermal conductivity, anticorrosion, wear-resisting, thermo-stabilit, strong adhesion, cost effective; given its unique flake structure and higher cost performance.

MIO currently is the most outstanding antirust pigment and anticorrosive medium in industrial anticorrosion coating. For quite some time, MIO pigments are widely used in high durable anticorrosion coatings system, coordinate with a high quality epoxy resin, its coating service life can reach above 15 years long, are the most important constituent part of the international anticorrosion coating formulation system. At present, we can provide various types of products which can be applied in various application fields.

Product Type:

GREEFIELD® MIO Red : 9360 / 9560 / 9760 / 9960

GREEFIELD® MIO Grey: 9180 / 9280 / 9380 / 9480 / 9580 / 9680

Mainly Chemical & Physical Index:

Key Items	Index	Index
Product Name	Micaceous Iron Oxide Red	Micaceous Iron Oxide Gray
Character	Red brownish powder with metallic luster	Black Grey powder with metallic luster
Fe ₂ O ₃ Content %	65 ~ 75	85 ~ 93
Density/Specific Gravity g/cm ³	4.35 ~ 5.05	4.35 ~ 5.05
Moisture MAX %	1.50	1.00
Water Soluble Salts MAX %	0.30	0.30
Oil Absorption g/100g	10.0 ~ 19.0	9.0 ~ 18.0
pH Value	6.0 ~ 8.5	6.0 ~ 8.5
Flake Content %	55 ~ 62	58 ~ 65



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Product Performance & Application:

- ▶ Micaceous iron oxide (MIO) especially suitable for high durable anti-corrosion coatings system, as use of etch primer, intermediate paint of epoxy micaceous iron oxide.
- ▶ For other kinds of anti-corrosive industrial coatings.
- ▶ It can also be used in magnetic materials, glass industry, pearl pigment field etc.
- ▶ Product performance standards: China GB6755-88, USA ASTM D5532, International ISO10601, Germany T1918 300, U.K 3981 and Greefield GRE-Q/MIOX1996 standard.

Technical & Business Service:

- ▶ GREEFIELD® brand of micaceous iron oxide (MIO) series products, selection of high-quality raw ore processing in China, product quality and quality control are head in the leading position in the industry, have obtained EU EN ISO10601-2008, EU EN12878:2014 certification and ISO9001:2015 , ASTM D5532 quality system certified, is the earliest and the largest volume of exporting branded product in inland China. Besides of products supplied, we are also providing with full and circumspect technical, customer and logistic service to all clients.
- ▶ GREEFIELD® brand MIO, always been the symbol of best quality and best service in the metal anti-corrosion industry.

Product Packing:

25kgs/bag , 500kgs/bag or 1000Kgs/bag, total 24 ~ 25.70Tons MAX per 1FCL x 20GP container.

Micaceous Iron Oxide Red (MIOR)



Micaceous Iron Oxide Gray (MIOG)



The information presented in this brochure is given in good faith and is accurate to the best knowledge of GREEFIELD. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The user has an obligation to test the products to confirm their suitability for the intended use.

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