

BENzi MICACEOUS IRON OXIDE (M.I.O.)
Alkyd Micaceous Iron Oxide



BENzi MICACEOUS IRON OXIDE is an alkyd based protective finish pigmented heavily with micaceous iron oxide which is resistant to humidity, mild chemical fume and atmospheric pollution. It may be overcoated with alkyd based finish or left uncoated as topcoat. It is intended for non-immersion services and suitable for protection of steel structure in marine and industrial environment such as bridge, factory steelwork, palm oil mill superstructure, transmission tower, metal railing and iron gate etc.

Standard Packing : 5 litre & 15 litres

Technical Information

Binder : Alkyd
 Finish : Metallic Lustre Low Gloss
 Color : Silver & Dark Grey, refer BENzi High Performance Coating color card
 Thinner : White Spirit or Turpentine
 Solid Content : 70% (by weight); 50% (by volume)
 Dry Film Thickness : 50 - 60 microns / coat
 Theoretical Coverage : 8 - 10 m² / litre / coat (actual coverage may vary from 20 – 50% due to loss factors such as surface profile, application method, dry film thickness, surrounding condition & etc)
 No. of coats : 1 - 2 coats
 Touch Dry @ 30°C : 2 hours (depends on temperature and humidity)
 Recoating Interval : Minimum 12 hours
 Shelf Life : Minimum 12 months if properly stored

Typical Painting System

Substrate	Primer (1 coat)	Intermediate (1 coat)	Topcoat (1 - 2 coats)
New Ferrous Metal	BENzi Red Oxide Primer or BENzi Zinc Phosphate Primer	BENzi Micaceous Iron Oxide	BAOMA Gloss, Satin Enamel / BLUE-i Gloss 6600 / BRUSH & ROLLER Gloss 9000 / BENzi Gloss, Micaceous Iron Oxide, BENZITOP ATC 200
Previously Painted Ferrous Metal	BENzi Red Oxide Primer or BENzi Zinc Phosphate Primer	BENzi Micaceous Iron Oxide	BAOMA Gloss, Satin Enamel / BLUE-i Gloss 6600 / BRUSH & ROLLER Gloss 9000 / BENzi Gloss, Micaceous Iron Oxide, BENZITOP ATC 200

Application Methods

Brush / Roller : Dilute up to 5% of White Spirit / Turpentine if necessary
 Conventional Air Spray : Dilute up to 20% of White Spirit / Turpentine if necessary
 Airless Spray : Dilute up to 5% of White Spirit / Turpentine if necessary
 Handling : Stir the paint thoroughly until completely mixed before painting
 Clean Up : Clean all paint equipment with White Spirit / Turpentine immediately after use

Surface Preparation

New Ferrous Metal

Surface generally must be clean, free from rust, oil, grease, dust and other contaminants and must be thoroughly dried before application. Steel surface shall be manually wire brush or power tool cleaning to remove all rust or loose millscale as to comply with minimum Swedish Standard ST 3, then primed with appropriate anti-corrosion primer follow by intermediate coat before application of topcoat.

Previously Painted Ferrous Metal

Previously painted surface should be thoroughly rubbed down using a suitable abrasive paper and then dusted off. Any loose and flaking paint film must be scraped off, rust should be thoroughly removed (for optimum performance, wire brush or power tool cleaning to a minimum Swedish Standard ST 3 is highly recommended). The entire surface must be dry and free from dust, grease and other contaminants, spot-primed any surface imperfection with appropriate primer / intermediate coat before application of topcoat.

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Storage

Keep container tightly closed and in a secure upright position, store in a cool and shady place, do not expose directly to sunlight and extremes of temperature. Keep out of reach of children.

Safety, Health and Environment

Ensure good ventilation during painting, do not breathe vapour or spray mist. Keep doors and windows open during application and drying. It is advisable to wear mask and eyes protector while applying. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accidental ingestion, DO NOT INDUCE VOMITING, seek immediate medical advice. To remove splashes of paint from skin by using water and soap or skin care product. Do not empty paint into drains or water courses, dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Materials Safety Data Sheet (MSDS) is available upon request.

DANGER



Hazard Statement: Flammable liquid & vapour. May be fatal if swallowed & enters respiratory tract. Harmful if in contact with skin. May cause allergic or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation & allergic skin reaction. Very toxic to aquatic life with long lasting effects.

Precautionary Statement: Keep out of reach of children. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Wear protective gloves, eyes protector, face protector. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents & container in accordance with all local, national or international regulations.

Limitation of Liability

Liability of MCI Paint Sdn Bhd on any claim of any kind, including claims based upon negligence of MCI Paint Sdn Bhd, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall MCI Paint Sdn Bhd be liable for consequential or incidental damages.

Disclaimer

The above information is given to the best of our knowledge based on laboratory tests and practical experiences. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to change the given information without prior notice due to production refinements arising from continuing research and development, which may result in changes in the paint properties.



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