

Anupam Enterprises

Protective Coatings Division

Anuchlor - MIO

Chlorinated Rubber Micaceous Iron Oxide

Product Description

Anuchlor - MIO is high performance high build chlorinated rubber based coating pigmented with micaceous iron oxide (MIO) pigment. MIO is a lamellar plate-like pigment that forms a thick lustrous layer after application. As the coating dries, the very thin platelet shaped pigment particles orient themselves parallel to the substrate to give an armoured effect to the film and also act as an impediment to the diffusion of oxygen and moisture through the film. It is ideal for use in marine and chemical environments.

Features and Benefits:

- Easy to apply and can be applied via airless spray, conventional spray and brush.
- Can be used as primer, intermediate or finish coat.
- Renders hard, inert film showing excellent resistance towards dilute acids, alkalis, certain salts, oxidizing agents, aliphatic hydrocarbons, alcohols, mineral oils, greases etc.
- Has very high resistance to permeability of water, moisture, oxygen and other atmospheric pollutants.
- Suitable for varied end applications i.e. ideal for high humidity, moisture, marine atmospheres, heavy rains, high temperatures, damp conditions, very dusty and fungus prone conditions.
- Impart excellent inter-coat adhesion properties.
- Extremely durable and weather resistant.
- Non-toxic and cost-effective

Recommended uses:

Fertilizer plants	Sewage farms
Concrete Storage Tanks	Water Treatment Plants
Structural Steel	Galvanized Iron
Bleacheries and laundries	Breweries
Pulp and Paper Mills	Chemical Plants
Marine and shore installations	Swimming Pools
Food Processing Plants	Areas of excessive moisture
Petro-chemical Plants	Refineries

Surface Preparation:

Steel - The surface should be blast cleaned to **SSPC-SP 10-63T** or **NACE No. 2** i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. It means that at least 95% of any given square inch has the appearance of *white metal* and the remainder is limited to slight discolourations. Blast cleaning to **SSPC-SP 5-63** or **NACE No. 1** is recommended where heavy corrosive conditions exist. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. In absence of blast cleaning, prepare the metal surface by wire brushing, sanding, grinding, scrapping or chipping with hand or power tools. Remove all the contaminants. Apply one or two coats of **Anuchlor CZP 500** primer. Then apply a coat of **Anuchlor - MIO** followed by 2-3 coats of **Anuchlor 555 LB** Chlorinated Rubber Enamel.

Galvanized Iron - Remove dirt, dust, oil, old paint etc. Degrease the surface with degreasing solvents like xylene or tri-chloroethylene. Apply one coat of **Anuprime - 291 Wash Primer** for obtaining maximum adhesion. Apply one coat of **Anuchlor CZP 500** primer. Then apply a coat of **Anuchlor - MIO** followed by 2-3 coats of **Anuchlor 555 LB**.

TECHNICAL DATA

Name/Description	Anuchlor - MIO
Type	Single pack cold cured
Composition	Chlorinated rubber / MIO
Colour	Brownish Grey
Finish	Smooth and Matt
Volume Solids	45 ± 3%
Dry film thickness per coat	65 to 75 microns
Coverage-(theoretical-no loss)	6.9 to 6 m ² /litre
Serviceability @ 30° C	
- Dry to touch	30 - 45 minutes
- Re-coat by Spray	3-4 hours
- Re-coat by Brush	16 -24 hours
- Full Cure	7 days
Relative Humidity	90%
Application Temperature	
- minimum	4° C
- maximum	35° C
Dry heat resistance	65° C
Solvent/Thinner	Anusol - CRT Thinner
Flash Point	25° C
Packing	4 & 20 litres
Shelf Life	6 months
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.

Product Limitations:

- **Anuchlor - MIO** is not resistant to most solvents, animal and vegetable oils and fats common in dairies, packinghouses and sewage treatment facilities.
- Do not use on floors.
- Epoxy and polyurethane topcoats are not suitable.

Notes:

- Brushes and spray equipments should be cleaned with **Anusol - CRT Thinner**.
- The contents should be stirred thoroughly prior to use.
- When overcoating the weathered or aged **Anuchlor - MIO**, ensure that the coating is fully free from all contamination such as oil, dust, grease, stains etc.
- This coating should always be thinned with **Anusol - CRT Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

Disclaimer:

Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.

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