

MIO
INTERIOR / EXTERIOR

PRODUCT DATA SHEET

AALTO MICACEOUS IRON OXIDE

Guarantee is applicable on the use of a full Aalto system

TYPICAL APPLICATION: A flat alkyd metallic finish for the decorative protection of steel and galvanised steel work.

PRODUCT FEATURES:

- + Unique subtle metallic finish
- + Single Pack
- + Easy to use

COLOUR: Available in a range of mid to dark colours. Attempts to duplicate Aalto colours by eye or by electronic means may give the illusion of a match but in situ the resulting colours will lack the depth, subtlety and complexity of the original.

PRODUCT DESCRIPTION:

Appearance when dry:	Spangled flat finish
Pack size:	1, 4 litre
Theoretical coverage:	10m ² - 12m ² / L
Storage temperature:	Minimum 5°C Maximum 50°C
Shelf life:	18 months
Dry film thickness:	Two coats applied at the theoretical coverage rate will give a dry film build of approximately 100 microns
Wet film thickness per coat:	At the theoretical coverage rate of 10m ² /L, wet film build of approximately 100 microns
Percentage by weight:	70%
Volume solids:	50%

INTERIOR APPLICATION:

Mixing: Stir well using a broad paddle. Check colour before use. No claim recognised after application.

Initial surface preparation: The surface must be clean, dry and free of all dust, dirt and grease. Loose flaking material must be removed and feathered back to a sound surface. New steel work should be thoroughly washed with a degreasing solution. Existing or previously painted surfaces should be water blasted / chemical washed or washed down with a mild detergent solution using a bristle brush. Mould should be treated with a proprietary mould kill solution until completely removed and sterilised, then wash to remove all traces of chemical. Where corrosion (rust) is present it should be removed then washed thoroughly and spot prime with Corroless QD as soon as the surface is dry. Avoid unnecessary removal of galvanised coating. All surfaces must then be primed with a full coat of Corroless QD before applying two coats of Micaceous Iron Oxide.

Application note: Apply with a cross hatch look - apply first coat vertically and the second coat horizontally.

Two primer coats should be applied in marine and severe environments.

To assist drying and to avoid solvent entrapment, always ensure good ventilation during and after application.

New steel, galvanised steel, pre-primed steel, wrought iron and zincalun:

Refer to initial surface preparation above. Prepare and prime steel work with Corroless QD before applying two coats of Aalto Micaceous Iron Oxide. See Corroless QD data sheet for full surface preparation details.

Existing or previously painted enamel: steel, galvanised steel, pre-primed steel, wrought iron and zincalun:

Refer to initial surface preparation above. Any defects in the surface should be fixed and all bare patches spot primed with Corroless QD. Apply a full coat of Corroless QD followed by two top coats of Aalto Micaceous Iron Oxide. See Corroless QD data sheet for full surface preparation details.

Specification Note:

For environments subject to marine salts refer to Aalto Colour for written specification.

APPLICATION DETAILS:

Application temperature range:	10°C - 35°C
Methods:	Brush or spray
Thinners:	Mineral turpentine / low odour solvent
Cleaning solvent:	Mineral turpentine
Spraying Application :	Airless Spray. Note: Spray vertically for the first coat and horizontally for the second to achieve a cross hatch look.
Nozzle orifice and pressure:	Select tip size to suit Micaceous metal product
Fan angle and width:	30°-50°, 150mm
Thinners:	Maximum volume 5%
Minimum steel temperature:	N/A
Maximum relative humidity:	75%

DRYING CHARACTERISTICS:

Temperature:	10°C	20°C
Touch dry:	2 hours	1 hour
Handle Dry:	8 hours	4 hour
Full cure:	48 hours	24 hours
Over-coating:	Always allow overnight dry between coats. Recoating must not be undertaken before 12 hours.	

SAFETY:

Paint class:	3B
Hazchem:	3Y
UN no:	1263

HEALTH AND SAFETY:

CAUTION- FLAMMABLE!

Contains petroleum solvents. Keep away from heat and open flame.

Special precautions:

- + Keep out of reach of children.
- + This material is not to be taken internally.
- + Avoid contact with eyes and prolonged contact with skin.
- + Avoid breathing vapour - use with adequate ventilation.
- + Ensure fresh air is available during application and drying.
- + Do not eat, drink or smoke whilst using.
- + Store in a cool well ventilated area indoors between 5 °C - 20 °C
- + Seal container after use.
- + Protect from freezing
- + Dispose of empty container carefully.
- + Do not dispose or paint in sewers or waterways.

Fire:

+ Use foam, carbon dioxide or dry chemical powder.

Spills:

+ Absorb with sand or earth. Collect and seal in properly labelled drums for disposal according to local waste management authority.

FIRST AID:

If swallowed:

Give water to dilute. Do not induce vomiting. Get medical advice.

Eye contact:

Flush with running water immediately for at least 15 minutes. Get medical attention.

Inhalation:

Leave hazard area, maintain breathing and get medical attention. Remove with soap and water.

This information is intended to give a fair description of the product and its capabilities under specific conditions and is correct at the time of printing. It does not constitute an offer by the manufacturers nor do they warrant or guarantee its accuracy of completeness in describing the performance or suitability of the product. The manufacturer's guarantee is only applicable to full Aalto systems and is limited to product replacement only and does not include surface preparation or application. July 2004