

Two pack high build epoxy MIO



Description	A two pack, cold cured, high build epoxy intermediate coat or finish containing micaceous iron oxide. The plate type structure of micaceous iron oxide produce a shield or barrier that helps protect the ingress of moisture and has therefore good anti corrosive properties.
Recommended Use	For application to suitably prepared steelwork, giving good anti-corrosive properties in polluted environments. The high build properties of this material permit dry film thicknesses of up to 100 microns to be applied in a single coat.
Compliance	Complies with "the VOC in Paints, Varnishes & Vehicle Refinishing Products Regulations 2005". EU limit value for this product (cat A/j): 500g / litre (2010)
Recommended Application Methods	Conventional Spray. Airless Spray. Brush.
Colour Range	Grey
Physical Properties	<u>VOC Content</u> (as supplied) : max 365g / litre <u>Volume Solids</u> : 60% <u>Mass Solids</u> : 81% <u>Flash Point</u> : 26°C
Drying Time @ 20°C	Surface dry - 3 to 4 hours. Hard dry - 12 hours. Drying times will be extended at low temperatures. Do not apply when ambient temperature falls below 10°C or relative humidity exceeds 90%.
Dry Film Thickness	50 - 100 µ
Wet Film Thickness	85 - 175 µ
Mixing Ratio	Base: Curing Agent Approx. 3:1 by volume
Pot Life @ 20°C	8 hours when mixed. The times stated show effective life, however, material stays liquid much longer but does not perform satisfactorily. The pot life will be significantly reduced where the mixed paint is used at higher ambient temperatures. Do not use after stated times.
Theoretical Coverage Rate	8m ² per litre @ 75µ DFT <i>Coverage rate can be affected by such variables as type and condition of substrate, type of application equipment and individual method of application.</i>
Thinners	Firwood 67 Thinners.
Packaging	<u>Pack Size</u> : 4 litre composite units (base component - 3 ltrs in 5 ltr tin + curing agent - 1 ltrs in 1 ltr tin) <u>Weight</u> : 1.92kg / litre (dependant on colour) <u>Shelf Life</u> : 2 years from shipment date when stored in unopened, original containers. <u>Storage</u> : Store in temperature range 5-40°C

Directions for use	Ensure all surfaces are clean, dry and free from dust, grease, millscale, etc. Surfaces should preferably be shot blasted to Swedish standard Sa2½ then coated with a suitable primer within 4 hours for optimum performance. The type 85 base and 85 curing agent should be well mixed together in the proportion of 3-of base to 1-of curing agent by volume. Only sufficient material should be mixed to meet immediate requirements as the mixture has a limited pot life of 8 hours, depending on temperature and humidity. For galvanised or non-ferrous metals, a suitable etch primer is recommended. This paint should be applied between 1 and 7 days after the application of the primer. For further information contact our Technical Service Department.
Cleaning	Application equipment should be cleaned using Firwood 67 Thinners
Health & Safety	Refer to Material Safety Data Sheet for information on correct handling and application of this product.



The information given on this sheet is, to the best of our knowledge, true and accurate. No guarantee of the results implied, or any loss or damage arising out of this material, however, are possible as the conditions of application are beyond our control. This is notwithstanding any liability arising from the Consumer Protection Act 1987 and the Health & Safety at Work Act. Health and Safety data is available on this product and should be referred to prior to its use.

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