



ZINGACERAM ZM EP MIO HS

ZM-RE-PRO-04-A (01/08/06)

Zingaceram ZM EP MIO HS is een high solid 2 pack intermediate coat in anticorrosion systems over zinc dust primer. Can also be applied as micaceous iron topcoat in epoxy systems.

Physical data and technical information

- **Wet product**

Components	- epoxy resins pigmented with micaceous iron oxide and ceramic fillers, cross linked with a phenalkamine hardener
Density	- paint: 1,76 Kg/dm ³ - hardener: 1,00 Kg/dm ³ - paint + hardener: 1,64 Kg/dm ³
Solid content	- 88% (±2) by weight - 78% (±2) by volume
Viscosity	thixotropic
Type of thinner	EP HS Thinner
Flashpoint	32°C
Potlife	1,15 hours at 20°C
VOC	196 g/L (= 120 g/Kg)

- **Dry film**

Colour	grey
Special characteristics	- High solid content - High chemical resistance - Continues to cure at low temperatures, even still at 0°C - excellent barrier action against corrosion

- **Packing**

5 L	4 L part A and 1 L part B
20 L	16 L part A en 4 L part B

- **Conservation**

Storage	storage in a cool and dry place
Shelf life	1 year in the original and closed container



Application data

- **System recommendations**

As sealer on ZINGA	Zingaceram ZM EP MIO HS can be applied in 1 layer up to 125 µm DFT as sealer on top of the anti-corrosion system Zinga on a metal substrate. Can be overcoated with epoxy and polyurethane topcoats. Preferably use the mist coat & full coat technique: Mist coat: 30µm DFT diluted with 5 to 10% on ZINGA touch-dry Full coat: na 24u
Stripe-coat	We recommend applying a stripe-coat of Zingaceram ZM EP MIO HS by brush on all sharp edges, nuts and bolts and welding areas before the application of the first full layer of Zingaceram ZM EP MIO HS.

- **Coverage and consumption**

Theoretical consumption	for 60 µm DFT : 0,077 L/m ²
Theoretical coverage	for 60 µm DFT : 13 m ² /L
Practical coverage	depends upon the roughness profile of the substrate and the application method

- **Environmental conditions during application**

Ambient temperature	minimum 5°C
Relative humidity	maximum 85%
Surface temperature	minimum 3°C above the dew point

- **Drying process and overcoating**

Drying time	for 60 µm DFT at 20°C in a well-ventilated environment : <ul style="list-style-type: none">- dust-proof : after 3 hours- dry to handle : after 6 hours- fully cured : after 18 hours- fully resistant : after 7 days- overcoatable after min. 8 hours and max. 3 days
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Instructions for use

- **Surface preparation**

Cleanliness	- For metal surfaces: The zingatised surface should be dry and clean.
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- **Special instructions**

Mixing ratio	4 parts of part A + 1 part of part B (in volume)
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- **Application by brush or roller**

Dilution	Between 0 – 5 % with EP HS Thinner.
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- **Application by conventional spray-gun**

dilution	5 to 10% (volume on volume) with EP HS Thinner.
Pressure at the nozzle	2 to 3 bar for a structured aspect, higher pressure for a smoother aspect
Nozzle opening	3 mm for a structured aspect, smaller for a smoother aspect

- **Application by airless spraying**

dilution	0 to 5% (volume on volume) with EP HS Thinner.
Pump ratio	45/1
Nozzle opening	0,38 to 0,63 mm (0,021 to 0,025 inch)
Pressure	150 -250 bar

- **Remarks**

Underwater structures	Drying time is 7 days. Please contact a Zingametall representative.
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For more specific and detailed recommendations concerning the application of Zingaceram ZM EP MIO HS, please contact the Zingametall representative. For detailed information about the health and safety hazards and precautions for use, please refer to the Zingaceram ZM EP MIO HS **safety data sheet**.

Waiver*

* The information on this sheet is merely indicative and is given to the best of our knowledge based on practical experience and testing. The conditions or methods of handling, storage, use or disposal of the product cannot be controlled by us and are therefore outside our responsibility. For these and other reasons we retain no liability in case of loss, damage or costs that are caused by or that are linked in any way to the handling, storage, use or disposal of the product. Any claim concerning deficiencies must be made within 3 months upon reception of the goods quoting the relevant batch number. We retain the right to change the formula if properties of the raw material are changed. This data sheet replaces all former specimens.