



ZINGACERAM ZM EP MIO

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

Zingaceram ZM EP MIO is a 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 polyamide hardener
Density	- base: 1,54 Kg/dm ³ - hardener: 0,96 Kg/dm ³ - base + hardener : 1,43 Kg/dm ³
Solid content	- 72% (±1) by weight - 58% (±1) by volume
Viscosity	thixotropic
Type of thinner	EP Thinner
Flash point	25°C
Pot life	6 hours at 20°C
VOC	400 gr/Lt

- **Dry film**

Colour	grey
Special characteristics	- high chemical resistance - excellent barrier action against corrosion

- **Packing**

5 Lt	4 Lt part A and 1 Lt part B
20 Lt	16 Lt part A and 4 Lt 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 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, preferably using the mist coat & full coat technique.
As topcoat on Zinga	Zingaceram ZM EP MIO can be applied in 1 or 2 layers up to 125 µm DFT per coat as topcoat on top of the anti-corrosion system Zinga on a metal substrate, preferably using the mist coat & full coat technique. Can be overcoated with epoxy and polyurethane topcoats.
Stripe-coat	We recommend applying a stripe-coat of Zingaceram ZM EP MIO 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.

- **Coverage and consumption**

Theoretical consumption	for 75 µm DFT : 0,130 Lt/m ²
Theoretical coverage	for 75 µm DFT : 7,73 m ² /Lt
Practical coverage	depends upon the roughness profile of the substrate and the application method

- **Environmental conditions during application**

Ambient temperature	minimum 15°C
Relative humidity	maximum 70%
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 : - dust-proof : after 1 hour - dry to handle : after 5 hours - fully cured : after 18 hours - fully resistant : after 7 days - overcoatable after min. 6 hours and max. 3 days
Overcoating	after 12 hours at 20°C



Instructions for use

- **Surface preparation**

Cleanliness	- For metal surfaces: The zingacised surface should be dry and clean.
-------------	--

- **Special instructions**

Mixing ratio	4 parts of part A + 1 part of part B (by volume)
--------------	--

- **Application by brush or roller**

Dilution	Between 0 – 5 % with EP Thinner.
----------	----------------------------------

- **Application by spraying with air supported spray gun**

dilution	10 to 20% (volume on volume) with EP 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 10% (volume on volume) with EP Thinner.
Pump ratio	45/1
Nozzle opening	0,38 to 0,63 mm (0,021 to 0,025 inch)
Pressure	150 -250 bar

For more specific and detailed recommendations concerning the application of Zingaceram ZM EP MIO, 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 **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.