NMI COATING

PRODUCT DATA
NMI MIO 764110.

PRODUCT DESCRIPTION:

TWO COMPONENT MIO EPOXY 764110.

(CURING AGENT 4200150)

NMI EPOXY MIO 764110 is designed for use as a high performance, barrier protection primer and mid coat base on epoxy and polyamide resins and Micasius Iron Oxide pigments with an excellent anticorrosive efficiency in moderate to severe environment.

NMI EPOXY MIO 764110 can be applied as a mid coat in epoxy systems on primed steel structure and as a primer on steel structure.

Standard color availability Manufactured light gray and beige colors.

GENERAL PROPERTIES :

Adhesion: - Excellent to both primed & grit blasted and manually prepared steel surfaces.

Corrosion Resistance: - Excellent on correctly prepared steel surfaces and primed surfaces.

Temperature resistance: - Dry: Maximum 120 °c Wet: Maximum 50 °c

PHYSICAL PROPERTIES:

Colors/Shade No	Grey.
Finish	Semi Flat.
Volume Solid	**55±2%**
Theoretical spreading rate	**6 m2 /liter 100 Mic. Dft.**
Flash point	**٣٠ °C**
Specific gravity	**1.45–1.55 kg/liter**
V.O.C.	Max. 230 gr/liter
Shelf life	1 Years (25ºC / 77ºF) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

MIXING:

Mixing ratio (by weight)	Component A 764110	Component B 4200150
	6	**1**
Pot life	**٨ hours (٢٠ °C/ 68 °F)**	

APPLICATION :

Conditions	Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3 °C above the dew point.	
Method	Airless sprays	Brush (touch-up)
Thinner (max. vol.)	**30001 (10–30%)**	**30001 (5%)**
Spray setting		
Pump ratio minimum	**40:1**	
Tip size	**0.021" – 0.023"**	
Tip pressure	**200 bar / 2900 Psi**	
	(Airless spray data are indicative and subject to adjustment)	
Cleaning of tools	Thinner NMI30001	
Indicated film thickness, dry	**55 microns**	
Indicated film thickness, wet	**100 microns**	

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DRYING AND CURING TIMES AT (25 ◦C)

Dry to touch	**Max.2 hour**
Hard dry	**12 hours**
Full curing	**7 days**
Recoat interval, min	**8 hours**
Recoat interval, max	**14 days , see REMARKS**

SURFACE PREPARATION

New steel Steel surface should ideally be abrasive blast cleaning to minimum Sa 2½. The surface must be completely clean and dry prior to application. And its temperature must be at least 3°C above the dew point to avoid condensation.

Primed surfaces The surface should be stable, firm, dry and free of dust, sand, loose old paint, dirt, grease and oil. It is recommended to apply mid coat before exceeding maximum interval of primer.

REMARKS:

PRECEDING COAT: Epoxy primers such as 681010 or 682110.

SUBSEQUENT COAT: Epoxy, polyurethane top coat.

Film thickness: May be specified in another film thickness than indicated depending on purpose and area of use.
This will alter spreading rate and may influence drying time and recoating intervals.
Normal range is 100-200 microns/ 4-8 mils.

Thinning: The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner NMI30001 is recommended in general.

Recoating and drying/curing time

Physical data versus temperatures:					
Surface temperature		٥°C/41°F	١٠°C/50°F	٢٠°C/68°F	٣٠°C/86°F
Dry to touch approx.		16 hours	10 hours	6 hours	3 hours
Resist condensing humidity/ light showers after		4 days	2 days	24 hours	12 hours
Fully cured		20 days	14 days	7 days	5 days
Recoating interval with epoxy and polyurethane top coats	Min	24 hours	16 hours	8 hours	4 hours
	Max	15 days	12 days	7 days	5 days

A completely clean surface is mandatory to ensure intercoat adhesion, especially at long Recoating intervals. Any dirt, oil, and grease have to be removed, e.g. with suitable detergent.
Salts to be removed by fresh water hosing. To check an adequate quality of the surface cleaning a test patch is recommended before actual recoating.

SAFETY:

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RSI material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or paint mist, as well as paint contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

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