NMI COATING

PRODUCT DATA
NMI 780192

PRODUCT DESCRIPTION:

ONE COMPONENET CHLORINATED RUBBER MID COAT NMI780192.

NMI MID COAT 780192: is designed for use as an anti corrosive and inhibitive quick-drying intermediate base on Chlorinated rubber resin and Tio2 as inhibitive pigment with a good anticorrosive efficiency in mild to moderate environment.
NMI MID COAT 780192: can be applied as an inhibitive mid coat on blasted steel structure.
Standard color availability Manufactured only in light gray and off white color.

GENERAL PROPERTIES:

Adhesion:	Good to both grit blasted and manually prepared surfaces.
Corrosion Resistance:	Good on correctly prepared surfaces.
Temperature resistance:	Dry: Maximum 85 ◦C

PHYSICAL PROPERTIES:

Colors/Shade No	Ral No.
Finish	Flat
Volume Solid	60±2%
Theoretical spreading rate	10 m2 /liter 60 Mic. Dft.
Flash point	35 ◦C
Specific gravity	1.4-1.5 kg/liter
V.O.C.	Max. 350 gr/liter
Shelf life	1 Year (25ºC / 77ºF) from time of production. Depending on storage condition, mechanical stirring may be necessary before usage.

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.

	Airless sprays	Air spray	Brush (touch-up)
Method			
Thinner (max. vol.)	30010 (10-30%)	30010 (25%)	30010 (5%)
Spray setting			
Pump ratio minimum	30:1		
Tip size	.021”	1.8 mm	
Tip pressure	150 bar / 2200 Psi	4 – 5 bar	

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools	Thinner:NMI 30010
Indicated film thickness, dry	60 microns
Indicated film thickness, wet	100 microns

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DRYING AND CURING TIMES AT (20◦C):

Dry to touch	Max.2 hour
Hard dry	4 hours
Full curing	4 days
Recoat interval, min	6 hours
Recoat interval, max	14 days , see REMARKS

SURFACE PREPARATION:

New steel	Steel surface should ideally be abrasive blast cleaning to minimum Sa 2/5. The surface must be completely clean and dry prior to application. And its temperature must be above the dew point to avoid condensation.
Maintenance	Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Touch up to full film thickness.

REMARKS:

PRECEDING COAT:	AIR DRYING CHLORINATED RUBBER PRIMER COAT.
SUBSEQUENT COAT:	AIR DRYING CHLORINATED RUBBER 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 50-80microns/ 2-3.2 mils.
Thinning:	The type and amount of thinner depend on application conditions, application method, temperature, ventilation, and substrate. Thinner 30010 is recommended in general.

Recoating
And drying/curing
Time

Physical data versus temperatures in mild atmosphere:					
Surface temperature		5°C/41°F	10°C/50°F	20°C/68°F	30°C/86°F
Dry to touch approx.		12 hours	6 hours	3 hours	2 hours
Resist condensing humidity/ light showers after		4 days	2 days	48 hours	24 hours
Fully cured		20 days	14 days	15 days	10 days
Recoating interval with alkyd intermediate	Min	24 hours	16 hours	8 hours	4 hours
	Max	None	None	None	None

Maximum recoating interval in moderate atmosphere is 14 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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