

**DESCRIPTION**

Megamar epoxy zinc phosphate primer M131 is a two-component epoxy rust-inhibiting primer containing zinc phosphate corrosion inhibiting pigment. Cured with polyamide. It features tough film, high performance anticorrosion. It can be painted on moist surface. (see Remarks).

**RECOMMENDED USE**

1. As a blastprimer for temporary protection of steel blast cleaned on site.
2. As a general purpose primer for Megamar epoxy and polyurethane series.
3. As a primer or an intermediate coat in paint system for container or a top coat on its interior surface.
4. On steel and other metal surfaces in moderately to severely corrosive environment.

**PHYSICAL CONSTANTS**

Finish:	Flat	
Colours :	Red	Grey (or other colour available on request)
Shade Nos.:	3579	9107
Volume solids:	Approx.51%	
Theoretical spreading rate:	10 m <sup>2</sup> /L ( 50 micron dry film thickenss)	
Temperature resistance:	Max. (Dry): 140°C	
Flash point:	26°C	
Specific gravity:	Approx. 1.3 kg/L	
Dry to touch:	Approx. 3-4 hours (20°C)	
Fully cured:	7 days	

**APPLICATION DETAILS**

Curing agent:	011		
Mixing ratio:	Base M131 : Curing agent 011 = 6 : 1 ( by weight )		
Application method:	Airless spray	Air spary	Brush(touch-up)
Thinner :	901	901	901
Max. vol.:	5%	15%	5%
Pot life:	8 hours (20°C,011)		
Nozzle orifice:	0.021"		
Nozzle pressure:	175 kg / cm <sup>2</sup>	(Airless spray data are indicative and subject to adjustment.)	
Cleaning of tools:	901		
Indicated film thickness:	Wet: 100 micron	Dry : 50 micron	(see Remarks)
Recoat interval:	Min.: 6 hours (20°C)	Max.: 30 days (20°C)	(see Remarks)
Surface preparation:	New steel: Abrasive blasting to Sa2.5. For temporary protection, if required, use suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting. For repair and touch-up use Megamar epoxy zinc phosphate primer M131.On other metals (e.g. electroplated steel plate and light alloys): Thoroughly degreasing and light abrasive sweeping to remove all contaminants and to secure adhesion.		

Maintenance: Remove oil and grease, etc. with suitable cleaner. Remove salt and other contaminants by high pressure fresh water cleaning. Remove all rust and loose material by dry (or wet) abrasive blasting or power tool cleaning. Feather edges to sound and intact areas. After wet blasting, clean the surface with fresh water. Touch up to full film thickness after moist or damp surfaces appear. (see Remarks).

Large scale repairing/new steel(under damp condition): Dry (or wet) blasting to Sa2.5. If wet blasting is used, suitable corrosion inhibitor, for example, Megamar wet blasting corrosion inhibitor C550 can be used.High pressure fresh water should be applied to remove residues before the final coating. (Attention: Corrosion inhibitor is generally not suitable for the surface which is to be soaked.)

Application conditions: Use this product only when application and curing can proceed at temperature above 10°C (Choose other product from Mega for temperature between -10°C and 10°C). As temperature at / below freezing point, freezing may occur on the surface and influence the adhesion of the film , therefore the temperature

# Megamar M131

## Epoxy zinc phosphate primer

of the paint should be above 15°C to ensure normal application performance. Provide adequate ventilation during application and drying in confined spaces. Megamar epoxy hi-build paint M281, or according to specification.

Subsequent coat:

Definitions:

Damp surface: Surface on which water is not readily detectable, but the temperature of the surface is below the dew point.

Moist surface: Surface from which standing water and droplets have been removed, but on which there is a noticeable film of water.

Wet surface: Surface on which droplets or standing water is present.

Attention: If droplets are present on newly coated surface, fading may occur on the film.

Indicated film thickness: May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate, thinning amount, drying time and recoat interval. Normal range for dry film is 25-100 micron. If used as ablast primer, excessive film thickness must be avoided. Optimum dry film thickness for this purpose is approximately 40 micron. To achieve this, additional thinning may be necessary.

Recoat interval:

Minimum recoat interval: As container coatings applied in forced ventilation, 20 minutes' flash-off time for 40 micron Megamar primer 131 when topcoated with Megamar container topcoat, epoxy, polyurethane, acrylic or CR types. The completed paint system must be thoroughly dry before exposed to aggressive environments.

No maximum recoat interval on interior surfaces.

Maximum recoat intervals at 20°C , overcoated with:

Megamar Acrylic Paint	24hours
Megamar hi-build chlorinated rubber Paint	24hours
Megamar polyurethane series	3days
Megamar epoxy series	30days

Maximum recoat interval refers to surfaces exposed to periodical immersion, heavy condensation, great variations in temperature, chemical attack, and/or abrasion during service life of the coating system. Under other service conditions no maximum recoat interval for Megamar epoxies. Before overcoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow to dry. If maximum recoat interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

### NOTE

Megamar epoxy zinc phosphate primer M131 is for professional use only.

### SAFETY

Packings are provided with applicable safety labels which should be observed. In addition, national or local regulations should be followed. As a general rule, inhalation of solvent vapours or paint mist, and contact of liquid paint with skin and eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint.

### OTHER NOTICE

All information in this product data sheet is based on standard conditions and slight variation may occur with different conditions. All information in our company is subject to change without notice.