

**DESCRIPTION**

Megamar two component epoxy top-coat M281 is a two-component epoxy hi-build paint. It cures to a hard and tough film., resistant to abrasion and impact. Resistance to splashes of seawater, fresh water, diesel oil, petrol, jet fuel, lubricating oil and related materials. Limitedly resistant to vegetable oil and strong solvents, such as ketones and esters. Not resistant to inorganic acid, alkali and strong oxidizing solutions. Harmless to grain cargo.

**RECOMMENDED USE**

- 1). As top-coat for interior surfaces of container;
- 2). Top or intermediate coat in epoxy systems in severely corrosive environment.

**PHYSICAL CONSTANTS**

Curing agent	011	
Finish :	Semi-gloss	(see Remarks)
Colours :	Red	(other colour depending on requirement)
Shade Nos.:	3553	
Volume solids:	Approx. 58%	
Theoretical spreading rate:	5.8 m <sup>2</sup> /L	(100 micron dry film thickness)
Temperature resistance:	Max. (Dry): 140°C	
Flash point:	26°C	
Specific gravity:	Approx. 1.4kg/L	
Dry to touch:	6-8 hours	(20°C)
Fully cured:	7 days	

**APPLICATION DETAILS**

Mixing ratio:	Base M281: Curing agent 011 =5 : 1 ( by weight)
Application method:	Airless spray                      Brush (touch-up)
Thinner:	901                                      901
Max. Vol.	10%                                      10%
Pot life:	5 hours (011, 20°C)              8 hours (011, 20°C)
Nozzle orifice:	0.018—0.021"
Nozzle pressure:	200 kg / cm <sup>2</sup> (Airless spray data are indicative and subject to adjustment.)
Indicated film thickness:	Wet: 100 micron                      Dry : 50 micron (see Remarks)
Recoat interval:	(see Remarks)
Surface preparation:	New steel: Abrasive blasting to Sa2.5. For temporary protection of newly abrasive blasted surface, use suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final coating. For repair and touch-up use Megamar two component epoxy top-coat M281. Maintenance: Remove oil and grease with suitable cleaner. Remove salt and other contaminants by high pressure fresh water hosing. Remove loose rust and material by abrasive blasting or power tool cleaning. Feather edges to sound and intact areas. Dust off residues. Touch up to full film thickness.
Application conditions:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use curing agent 011 only when application and curing can proceed at temperature above 5°C (preferably above 15°C). Provide adequate ventilation during application and drying in confined spaces.
Preceding coat:	None. Megamar epoxy zinc phosphate primer M130, epoxy zinc rich primer M114, or as per specification.
Subsequent coat:	None. Megamar polyurethane paint series, or as per specification.

**REMARKS**

Film thickness: May be specified in another film thickness than indicated depending on purpose and area of use. Normal modification range is 40-125 micron, but this will alter spreading rate and may influence drying time and recoat interval.

# Megamar M281

## Two Component Epoxy Top-coat M281

Recoat interval: On surfaces exposed to periodical immersion, heavy condensation, great variation in temperature, chemical attack, and/or abrasion during service life of the coating system, best result will be obtained when recoat intervals are as follows:  
 Recoat interval is related to exposure conditions ( 100 micron dry film thickness )

Surface temperature	20°C			
Recoat interval	Min.		Max.	
Ambient environment	Moderate	Severe	Moderate	Severe
FC240	6h	6h	16h	16h
HR210	6h	6h	36h	36h
HC290	6h	6h	16h	16h
Polyurethane paint	12h	12h	36h*	36h
Epoxies	12h	12h	None	30d*

\* If the surface is only exposed to direct sunlight during short time prior to recoating, maximum recoat interval can be prolonged.  
 Under other conditions no maximum recoat interval for overcoating epoxy paint series and polyurethane paint series. Prior to overcoating if the surface has been contaminated, thoroughly clean the surface by high pressure fresh water hosing and allow to dry. In case maximum recoat interval is exceeded, roughen the surface to ensure adhesion between film layers. Holds can only be used after the film has been fully cured. Megamar epoxy hi-build M281 is harmless to grain cargo.

**NOTE**

Megamar two component epoxy top-coat M281 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.