

EPIMASTIC 5500 M**High Build Epoxy Mastic Primer Cum Finish****PRODUCT DESCRIPTION**

A self-priming surface tolerant high build epoxy coating containing zinc phosphate & Micaceous Iron Oxide that provides a tough barrier coating for steel.

- Can be top coated with conventional and two-pack coatings.

DESIGNED USE

- As a high build coating for blasted steel.
- As a single coat maintenance system.
- As a chemically resistant finish for structural steel, process equipment, pipe work etc.
- As a general maintenance coating for offshore installations.
- Suitable as primer for upto C5 Environment as per ISO12944 Part 2 with suitable intermediate and topcoat.

PHYSICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	68 % \pm 2 %
TYPICAL DRY FILM THICKNESS	125 microns
WET FILM THICKNESS	185 microns
THEORETICAL COVERAGE	5.4 m ² /litre @ 125 microns DFT
VOC "As Supplied" (Based on ASTM D3960)	272 gms/ltr
COLOUR	Range of Grey colors (with MIO particles)
FINISH	Low Sheen

APPLICATION DETAILS

METHOD OF APPLICATION:		This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.48 - 0.58 mm (0.019 - 0.023 in) Pressure: 110 - 160 kg/cm ² (1600 - 2300 psi)			
AIRLESS SPRAY					
CONVENTIONAL SPRAY		This is also a suitable method of application. Maximum 20% Thinner may be added Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in) Pressure: 2.75 - 3.45 kg/cm ² (40 - 50 psi)			
BRUSH OR ROLLER		May be used for difficult shapes or touch-up. However, additional coats may be required to achieve the recommended film thickness.			
DRYING TIME:		At 100 micron DFT			
Surface Temperature	Touch Dry	Hard Dry	Over coating Interval		Pot Life
			Minimum	Maximum	
15°C	3 Hrs	6 Hrs	6 Hrs	Indefinite	2 Hrs
25°C	1½ Hrs	3 Hrs	3 Hrs	Indefinite	1 Hr
35°C	1 Hr	2 Hrs	2 Hrs	Indefinite	30 mins
45°C	10 mins	20 mins	20 mins	Indefinite	N/A
NO. OF COMPONENTS		Two			
Mixing Ratio		2 part Base to 1 part Hardener (by volume)			
Application Conditions		Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point			

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Solvalux 7-45
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 30°C
Packaging	20 liters
Shelf Life	12 months from the date of manufacture.

EPIMASTIC 5500 M**High Build Epoxy Mastic Primer Cum Finish****SURFACE
PREPARATION**

The life-span and performance of this coating is directly related to the degree of surface preparation. This product can be applied directly to steel or to a suitably primed surface.

- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by SSPC-SPI.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface.
- Soluble salts, dirt and dust must be removed prior to coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge.
- Abrasive blast clean to a minimum standard of Sa 2 ½ Swedish standard SIS 05 59 00 or ISO 8501 - 1 : 1988.
- After blasting, remove dust from the surface.
- The surface to be coated must be clean and dry.

**TYPICAL COATING
SYSTEMS**

System	Priming	2 nd Coat	3 rd Coat (Optional)
Single Coat	Epimastic 5500 M		
Two Coats	Epimastic 5500 M	Epimastic 6000 MBS	
Epoxy Zinc Rich System	Zincanode 600/ 620/ 690	Epimastic 5500 M	Luxathane 5000
Epoxy System with PU Top-Coat (Optional)	Epimastic 5500 M	Epimastic 5500 M	Luxathane 5000

**PRODUCT USE
RESTRICTIONS**

- Do not apply to freshly applied alkyd paint systems.
- Generally recommended for interior use.
- Dry heat resistance up to 100°C.
- Application method and higher drying temperature may affect the colour of the coating.
- As common with all Epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight
- May also be applied between 100 – 175 microns DFT.
- Contact Berger Representative for suggesting suitable paint system

**SAFETY
PRECAUTIONS**

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

FIRST AID

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinners.
- Inhalation: Remove to fresh air, loosen collar and keep patient rested.
- Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING.
Obtain immediate medical attention

DISCLAIMER

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.