

PROTECTIVE & MARINE COATINGS

BERGER EPIMASTIC 6000



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PRODUCT DESCRIPTION

Berger Epimastic 6000 Surface Tolerant Epoxy Primer is a high solids high build self-priming epoxy coating which can be applied to old or new steel following the removal of loose rust and scale.

- Can be applied over most existing coatings systems including aged alkyd systems
- Can be easily recoated if required

DESIGNED USE

- As a single coat maintenance system
- As a chemically resistant finish for process equipment, pipe work etc.
- As a general maintenance coating for offshore installations

PHYSICAL DATA

VOLUME SOLIDS (based on ASTM D2697)	82% \pm 2%
TYPICAL DRY FILM THICKNESS	125 microns
WET FILM THICKNESS	152 microns
THEORETICAL COVERAGE	6.56 m ² /liter (258 sq ft per 3.7L) @ 125 microns DFT
COLOUR	As per shade card
FINISH	Semi-Gloss

APPLICATION

METHOD OF APPLICATION :

DETAILS

AIRLESS SPRAY	This is the recommended method of application: Maximum 5% Thinner may be added Tip Size: 0.48 - 0.68 mm (0.019- 0.027 in) Pressure: 110 - 160 kg/cm ² (1600 - 2300 psi)
CONVENTIONAL SPRAY	This is also a suitable method of application: Maximum 20% Thinner may be added Tip Size: 1.80 mm - 2.20 mm (0.071- 0.087 mm) Pressure: 40 - 50 psi (2.75 - 3.45) Kg/c
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:

Surface Temperature	Touch Dry	Hard Dry	Re-coating Interval		Pot Life
			Minimum	Maximum	
15°C	12 Hrs	24 Hrs	24 Hrs	Indefinite	8 Hrs
25°C	6 Hrs	16 Hrs	16 Hrs	Indefinite	6 Hrs
35°C	3 Hrs	12 Hrs	12 Hrs	Indefinite	4 Hrs
NO. OF COMPONENTS		Two			
Mixing Ratio		1 part base to 1 part Hardener (by volume)			
Application Conditions		Do not apply this product if the Relative Humidity exceeds 95% 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 36°C
Packaging	3.7 Litres and 18.9 Litres
Shelf Life	12 months from the date of Manufacture

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SURFACE PREPARATION

- The lifespan and performance of this coating is directly related to the degree of surface preparation
- Remove all wax, oil and grease by solvent cleaning in accordance with the guide lines given by SSPC-SPI
- Soluble salt, 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 scales by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge
- Mechanically clean the surface using hand or power tools to a minimum standard of ISO 8501-1 taking care to avoid polishing the surface
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface

PRODUCT USE INSTRUCTIONS

- This product is designed as a primer-finish or immediate coat. If it is to be used as a surface tolerant primer with subsequent top coating, use only surface tolerance epoxy primer
- This product is not suitable for use in immersed conditions
- Dry heat resistance up to 120°C
- May also be applied between 75 and 125 Microns DFT

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 thinner
- 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.

For specific recommendations, contact ANSA Coatings Technical Service Department Version 4 Jan 2025

