

EPIMASTIC 4100 (M)

Surface Tolerant Epoxy

PRODUCT DESCRIPTION

A high build modified epoxy primer cum finish coat with excellent protection for steel and concrete

- Can be easily recoated if required.
- Can be top coated over existing primer and aged alkyd paints.

DESIGNED USE

- As a chemically resistant finish for structural steel.
- As a general maintenance coating for offshore installations.
- As a maintenance coat for structural steel.
- Suitable as topcoat for upto C4 Environment as per ISO12944 Part 2

PHYSICAL DATA

VOLUME SOLIDS (ASTM D2697)	80 % $\pm$ 2 %
TYPICAL DRY FILM THICKNESS	150 microns
WET FILM THICKNESS	188 microns
THEORETICAL COVERAGE	5.3 m ² /litre @ 150 microns DFT
VOC "As Supplied (ASTM D3960)	180 gms / ltr
COLOUR	Limited RAL shades
FINISH	Low Sheen

APPLICATION DETAILS

METHOD OF APPLICATION :

AIRLESS SPRAY

This is the recommended method of application:
Maximum 2-5% Thinner may be added.
Tip Size: 0.48 - 0.68 mm (0.019 - 0.027 in)
Pressure: 110 - 160 kg/cm² (1600 – 2300 psi)

CONVENTIONAL SPRAY

This is also a suitable method of application.
Maximum 10% Thinner may be added
Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in)
Pressure: 2.75 - 3.45 kg/cm² (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:

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	14 Hrs	16 Hrs	Indefinite	6 Hrs
35°C	1½ Hrs	7 Hrs	8 Hrs	Indefinite	30 mins
80°C	10 mins	30 mins	30 mins	Indefinite	N/a

NO. OF COMPONENTS Two

Mixing Ratio 3 parts 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 36°C
Packaging	20 litres
Shelf Life	12 months from the date of manufacture.

EPIMASTIC 4100 (M)**Surface Tolerant Epoxy****SURFACE
PREPARATION**

- The life-span 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-SPL.
- 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.
- Abrasive blast-clean to a minimum standard of Sa 2½ Swedish Standard SIS 055900 or ISO 8501-1: 1988.
- Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner.
- An average surface profile of 50 microns is acceptable, but this average should not exceed 75 microns.
- After blasting, remove dust from the surface.
- The cleaned surface should be coated before it becomes contaminated. The surface to be coated must also be clean and dry.
- EPIMASTIC 4100 (M) is suitable as a topcoat over EPILUX and EPIMASTIC primers and can also be overcoated with LUXATHANE and ROBBATHANE finishes.

**PRODUCT USE
RESTRICTIONS**

- Dry heat resistance up to 120°C.
- 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 and 200 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.