

PROMASTIC UWC EPM-60500

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PRODUCT DESCRIPTION & USES

PROMASTIC UWC EPM-60500 is a two-component modified epoxy and special polyamine with hydrophobic curing mechanism. This product can be applied over damp or sweating surface or underwater structure. It is high build coating up to 500 microns.

FEATURES

- Can be Applied on Sweating Substrate
- Can be Applied Underwater
- Can Cure Underwater
- Good Abrasion and Impact Resistance
- Good Toughness
- Excellent Corrosion Resistance
- Excellent Resistance to Water and Salt Water

PRODUCT SPECIFICATION

Color : Black and Custom Colors
Finish : Matt
Volume Solid : $100 \pm 2\%$
Specific Gravity : 1.32 ± 0.05 g/cc
Flash Point : 90 °C
Packaging : 5 Liters set
Storage Stability : 24 Months. If it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

APPLICATION

Application Condition : 0 – 35 °C, 100% RH
Mixing Ratio :

A Component	B Component	by Volume	by Weight
(EPM - 60500)	(EPMH - 60500 PS)	1.7 : 1	2 : 1

Thinner or Cleaner : THME-90100, THME-90120 for washing only
Application Method : Airless Spray Brush/Roller
Thinning Ratio by Volume : -
Tip Size for Airless Spray Gun : 0,021 – 0,023 inch Air Pressure : approx. 160 bar/2300 psi
Wet Film Thickness (WFT) : 200 – 300 microns or 8.2 – 12.3 mills
Dry Film Thickness (DFT) : 200 – 300 microns or 8.2 – 12.3 mills
Theoretical coverage : 3.3 m²/liter set (DFT = 300 micron)
Pot Life :

20°C	30°C	40°C
1.5 – 2 hours	0.5 – 1 hours	10 – 20 minutes

FILM PROPERTIES

Drying Time*(@DFT = 300 mic) :

20°C	30°C	40°C
3 – 4 hours	1 – 2 hours	0.5 – 1 hours
12 – 13 hours	9 – 10 hours	7 – 8 hours

- Surface Dry
- Hard Dry

Re-coating Interval : Minimum 10 hours (30°C)
Maximum 3 days (30°C)**

*Drying time was checked underwater

**For more details please contact PROPAN Technical Supervisor

RECOMMENDED COATING SYSTEM

Primer Coat	: PROMASTIC UWC EPM-60500
Finish Coat	: According to Specification
Recommended Dry Film Thickness	: 1 coat (300 microns / coat)

SURFACE PREPARATION

General

Surfaces to be painted must be clean

Wet blasting or dry sandblast to remove all loose and deteriorated material, other surface contaminants such as tars, oils, paints, waterproofing materials, rust, barnacles, etc. which may interfere with the formation of a good adhesion to the substrate

Surface cleaning by magicron-60 just before the application.

Aged Coated Surface

PROMASTIC UWC EPM-60500 is not applicable over aged anti-corrosive coating system.

All coating must be removed. SSPC SP 11, power tool cleaning to bare metal with anchor profile of minimum 20 microns is required.

Abrasive blast cleaning to ISO 8501-1 Sa2.5 and anchor profile of 40-50 microns are recommended for highest performance

INSTRUCTION FOR USE

- Patch or stripe coat for sharp edges, bolts, or crevice should be applied by brush at first.
- Before subsequent coat application, all chalks (if existed) and any contaminations should be removed.

Prepare one mixture (A+B) as much as needed for application. First, stir well Comp. A **EPM - 60500** until homogeneous, add Comp. B **EPMH - 60500 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 1.7 : 1 (by volume) or 2 : 1 (by weight)**. Apply Mixed material could apply using airless spray, brush or roller without any thinning addition. Use Thinner/Cleaner **THME-90100** or **THME-90120** as solvent cleaner only. Do not apply the mixed material after pot life time is over.

SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective coating, such as overalls, goggles, dust mask, and gloves. Use barrier cream. Provide adequate ventilation during application. Do not breathe vapor of spray. This product is flammable. Do not smoke. Use only explosion proof equipment.

FIRST AID:

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Eyes	: In the case of accidental splashes, flush eyes with clear running water for 5 minutes while holding eyelids open. If irritation persist, seek medical attention.
Skin	: Wash off thoroughly with plenty of water and soap. Do not use solvent or thinner. Removed contaminated clothing. If irritation persist, seek medical attention.
Inhalation	: Remove affected person to fresh air area, loosen collar, provide oxygen if breathing is difficult. If affected person is not breathing, administer CPR and seek emergency medical attention.

DISCLAIMER

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.