

PROMASTIC EPM-60110

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PRODUCT DESCRIPTION & USES

PROMASTIC EPM-60110 is a two-components modified epoxy surface and flash rust tolerant paint. This product is used as anti-corrosion paint for ship bottom, cargo hold, inside or outside of accommodation space, void space, cofferdam, engine room, pipe line, others steel structure, and non-ferrous metal such as aluminum, fiber, etc. It can be used for maintenance and repair. Also can be used as primer, mid coat and finish coat or as single coat system.

FEATURES

- Good Abrasion and Impact Resistance
- Good Toughness
- Good Corrosion Resistance
- Surface tolerant
- Flash Rust Tolerant
- As a Primer, Mid Coat and Finish Coat
- Pencil Hardness 2H
- Fast Dry Version is Available Upon Request.

PRODUCT SPECIFICATION

Colors : Standard and Custom Colors
 Finish : Matt
 Volume Solid : $80 \pm 2\%$
 Specific Gravity : 1.45 ± 0.05 g/cc
 Flash Point : 25°C
 Packaging : 5 & 20 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 : $25 - 35^\circ\text{C}$, 60 – 80 %RH
 Mixing Ratio :

A Component		B Component	= 4 : 1 (v/v)
(EPM - 60110)	:	(EPMH - 60110 PS)	

Thinner : THME-90100, THME-90110, THME-90120, etc.
 Application Method : Airless Spray Air Spray Brush/Roller
 Thinning Ratio by Volume : 5 – 10% 15 – 30% 0 – 5%
 Tip Size for Airless Spray Gun : 0.019 – 0.021 inch Air Pressure : approx. 160 bar/2300 psi
 Nozzle Orifice for Air Spray : Approx. 1 – 1.5 mm Air Pressure : approx. 3-4 bar/40-60 psi
 Wet Film Thickness (WFT) : 125 – 250 microns or 5.0 – 10.0 mils
 Dry Film Thickness (DFT) : 100 – 200 microns or 4.0 – 8.0 mils
 Theoretical Coverage : 5.30 m²/liter set (DFT = 150 microns)
 Pot Life :

20°C	30°C	40°C
3 – 4 hours	2 – 3 hours	1 – 2 hours

FILM PROPERTIES

Drying Time (@ DFT = 150 mic) :

20°C	30°C	40°C
15 – 25 minutes	20 – 30 minutes	15 – 25 minutes
5 – 6 hours	4 – 5 hours	3.5 – 4.5 hours

• Surface Dry :
 • Hard Dry :
 • Full Cure : 7 days (30°C)

Re-coating Interval : Minimum 6 hours (30°C)
Maximum 6 weeks (30°C)*

Provide adequate ventilation during application and drying.

Note : Epoxy coatings will characteristically chalk and fade upon exposure to sun light
*for more detail please contact PROPAN Technical Supervisor

RECOMMENDED COATING SYSTEM

Primer Coat : **PROMASTIC EPM-60110**
Intermediate Coat : **According to Specification**
Finish Coat : **According to Specification**
Recommended Dry Film Thickness : 1 coat (150 microns / coat)

SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination accordance with SSPC-SP 1 solvent cleaning.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Remove the rust with mechanical sander or with chemicals.
4. Blast cleaning with suitable blasting material minimum Sa2, hand or power tool cleaning to a minimum standard of St2 in accordance with the ISO 8501-1 : 1988 or SSPC-SP 2.
5. PROMASTIC EPM-60110 may be applied to surfaces prepared with Hydroblasting Standard HB2 which have flash rust not worse than HB2M.
6. Provide adequate ventilation during application.

INSTRUCTION FOR USE

Stir well before use, preferable by means use mechanical mixer to ensure good homogeneity.

Prepare one mixture (A+B) as much as needed for application.

Firstly stir well Comp. A **EPM - 60110** until homogeneous, add Comp. B **EPMH - 60110 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4 : 1 (by volume)**. Mixed material could apply using airless spray, brush or roller. Use Thinner **THME-90100** or **THME-90110** or **THME-90120** as solvent cleaner. Do not apply the mixed material after pot life time is over. Provide adequate ventilation during application and drying.

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, and 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.