

PROMASTIC EPM-60425

 No. TD : E-042
 Revision : 01
 Effective Date : 26/06/2024

PRODUCT DESCRIPTION & USES

PROMASTIC EPM-60425 is a two component modified epoxy high build surface tolerant paint. This product has excellent toughness, abrasion resistance, impact resistance. Excellent resistance to petroleum products, water, salt water and selected chemicals.

This product is specially designed for electric train roof insulation with non-slip finish with capable to isolate an electrical voltage up to 2000 VDC. This product also function as fire retardant as per PT INKA standard.

FEATURES

- Good Abrasion and Impact Resistance
- Good Toughness
- Good Mechanical Properties
- Good Corrosion Resistance
- Surface Tolerant
- High Build Coating up to 500 Micron
- Capable to Isolate an Electrical Voltage up to 2000 VDC

PRODUCT SPECIFICATION

Colors : Off White, Grey, Red Oxide and Custom Colors
 Finish : Doff – Semi Gloss
 Volume Solid : 95 ± 2%
 Specific Gravity : 1.45 ± 0.05 g/cc
 Flash Point : 27 °C
 Packaging : 17.5 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

Instruction for Use : Stir well before use, preferable by means use mechanical mixer to ensure good homogeneity

Application Condition : 25 – 35 °C, 60 – 80 % RH

Mixing Ratio by Volume :

A Component	:	B Component	=	4 : 1 (v/v)	C Component
(EPM-60425)		(EPMH-60425 PS)			Silica Sand 3.75 (v)

Thinner : THME-90100, THME-90110, THME-90120, etc.

Application Method : Airless Spray Air Spray Brush/Roller

Thinning Ratio by Volume : 0 – 5 % 0 – 10 % 0 – 5%

Tip Size for Airless Spray Gun : Approx. 0.023 inch Air Pressure : approx. 160 bar/2300 psi

Nozzle Orifice for Air Spray : Approx. 2 – 2.5 mm Air Pressure : approx. 3-4 bar/40-60 psi

Wet Film Thickness (WFT) : 525 – 630 microns or 21.0 – 24.8 mills

Dry Film Thickness (DFT) : 500 – 600 microns or 20.5 – 23.6 mills

Theoretical Coverage : 1.90 m²/liter set (DFT = 500 microns)

Pot Life :	25°C	30°C	35°C
	4 – 5 hours	3 – 4 hours	2 – 3 hours

FILM PROPERTIES

Drying Time (@ DFT = 150 mic)	25°C	30°C	35°C
• Surface Dry	5 – 6 hours	4 – 5 hours	3 – 4 hours
• Hard Dry	10 – 12 hours	8 – 9 hours	7 – 8 hours
• Full Cure	: 7 days (30°C)		
Re-coating Interval	: Minimum 2 hours (30°C)*		
	Maximum --*		

Note : Epoxy coatings will characteristically chalk and fade upon exposure to sun light

*For more details please contact PROPAN Technical Supervisor

RECOMMENDED COATING SYSTEM

Primer Coat	: PROMASTIC EPM-60150
Intermediate Coat	: PROMASTIC EPM-60425
Finish Coat	: PROTHANE PUT-50800
Recommended Dry Film Thickness	: 1 coat (500 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. Provide adequate ventilation during application.

INSTRUCTION FOR USE

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

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 - 60425** until homogeneous, add Comp. B **EPMH - 60425 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4 : 1 (by volume)**. Through the mixed material, add the **Comp. C = 3.75 (by volume)** and stir well the silica sand. Mixed material could apply using Air Hopper Gun. 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.