

PROMASTIC GF HB EPM-60410

No. TD : E-018
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PRODUCT DESCRIPTION & USES

PROMASTIC GF HB EPM-60410 is a two-components epoxy high build reinforced with glass flake. As a rust inhibiting epoxy lining for splash zone and submerged areas of offshore structures, inside of piping, floodgates, dam gates, various plants, tank externals, bridges, petroleum tanks internal, various water tanks internal, and piping under insulation.

FEATURES

- Excellent Abrasion Resistance
- Excellent Toughness
- Excellent Corrosion Resistance
- Good Impact Resistance
- High Petroleum Resistance
- As a Primer, Mid Coat and Finish Coat
- Pencil Hardness up to 5H

PRODUCT SPECIFICATION

Colours : Black, Grey, and Limited Colors
Finish : Matt – Semigloss
Volume Solid : 90 ± 2%
Specific Gravity : 1.40 ± 0.05 g/cc
Flash Point : 25 °C
Packaging : 17 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°C, 80 - 100% RH
Application Method : Airless Spray Brush/Roller
Thinning Ratio by Volume : 5 – 10 % 0 – 5 %
Mixing Ratio by Volume :

A Component (EPM - 60410)	:	B Component (EPMH - 60410 PS)	= 2.7 : 1 (v/v)
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Thinner and Cleaner : THME-90100, THME-90120, etc
Tip Size for Airless Spray Gun : 0.027 – 0.035 inch Air pressure : approx. 3600 - 4300 psi
Wet Film Thickness : 1100 – 1650 microns or 44.9 – 67.3 mills
Dry Film Thickness : 1000 – 1500 microns or 40.8 – 61.2 mills
Theoretical Coverage : 0.90 – 0.60 m²/liter set (DFT = 1000 – 1500 microns)
Pot Life :

	20°C	30°C	40°C
:	3 – 4 hours	1.5 – 2.5 hours	0.5 – 1 hours

FILM PROPERTIES

Drying Time (@ DFT = 500 mic) :

	20°C	30°C	40°C
• Surface Dry :	7 – 8 hours	5 – 6 hours	3 – 4 hours
• Hard Dry :	10 – 11 hours	8 – 9 hours	6 – 7 hours
• Full Cure :	7 days (30 °C)		

Re-coating Interval : Minimum 10 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 details please contact PROPAN Technical Supervisor

RECOMMENDED COATING SYSTEM

Primer Coat	: PROMASTIC GF HB EPM-60400
Finish Coat	: According to Specification
Recommended Dry Film Thickness	: 1 coat (1000 microns / coat)

SURFACE PREPARATION

1. All surfaces should be clean, dry, and free contamination accordance with SSPC-SP 1 solvent cleaning.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Blast cleaning with suitable blasting material minimum Sa2, hand or power tool cleaning to a minimum standard or St2 in accordance with the ISO 8501-1 : 1988 or SSPC-SP 2.
4. PROMASTIC GF HB EPM-60400 may be applied to surfaces prepared with Hydroblasting Standard HB2 which have flash rust not worse than HB2M.
5. 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. First, stir well Comp. A **EPM-60410** until homogeneous, add Comp. B **EPMH - 60410 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 2.7 : 1 (by volume)**. Mixed material could apply using airless spray or brush or roller. Use Thinner **THME-90120** as solvent cleaner. 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.