

PROGUARD MIO EPU-30200

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PRODUCT DESCRIPTION & USES

PROGUARD MIO EPU-30200 is a two-component polyamide cure epoxy with MIO (Micaceous Iron Oxide). Suitable as an intermediate coat between epoxy primer with long overcoat interval and a wide range of top coats for steel structures, steel equipment and other metal surfaces (crane, bridge, tank, etc).

FEATURES

- Good Adhesion and Impact Resistance
- Long Over coating Interval
- Excellent Water Resistance
- Good Corrosion Resistance

PRODUCT SPECIFICATION

Colours : Grey, Red Oxide
Finish : Matt
Volume Solid : 78 ± 2%
Specific Gravity : 1.5 ± 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 °C, 60 – 80% RH
Mixing ratio by Volume :

A Component (EPU - 30200)	:	B Component (EPUH - 30200 PS)	= 6 : 1 (v/v)
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Thinner and Cleaner : THME-90100, THME-90110, THME-90120
Application Method : Airless Spray Air Spray Brush/Roller
Thinning Ratio by Volume : 5 – 10% 25 – 30% 2 – 5%
Tip Size for Airless Spray Gun : 0.017 – 0.019 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) : 130 – 195 microns or 5.2 – 7.9 mils
Dry Film Thickness (DFT) : 100 – 150 microns or 4.1 – 6.1 mils
Theoretical Coverage : 5.20 m²/liter set (DFT = 150 microns)
Pot Life :

20°C	30°C	40°C
4 – 5 hours	3 – 4 hours	2.5 – 3.5 hours

FILM PROPERTIES

Drying Time (@ DFT = 125 mic) :

	20°C	30°C	40°C
• Surface Dry :	50 – 60 minutes	40 – 50 minutes	30 – 40 minutes
• Hard Dry :	7 – 8 hours	4 – 5 hours	3.5 – 4.5 hours

• Full Cure : 7 days (30 °C)
Re-coating interval : Minimum 4 hours (30°C)
Maximum -- *

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	: PROSIL Series, PROZINC Series, PROGUARD Series PROMASTIC Series
Intermediate Coat	: PROGUARD MIO EPU-30200
Finish Coat	: According to specification
Recommended Dry Film Thickness:	1 coat (125 microns / coat)

SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination in accordance with SSPC-SP1 solvent cleaning.
2. In case of new steel, abrasive sand blasting to minimum Sa2 in accordance with the SWEDISH STANDARD SIS 05 59 00 and ISO 8501-1: 1988 or SSPC-SP 6 before applying recommended primer coating system.
3. For maintenance areas of breakdown, damage and etc., should be prepared to the specified standard (e.g. Sa2 (ISO 8501-1)) and primed prior to the application of Proguard MIO EPU-30200.
4. Proguard MIO EPU-30200 should always be applied over a recommended anti-corrosive coating scheme.
5. The Primer surface should be dry and free from all contamination (oil, grease, salt, etc.) and overcoated with Proguard MIO EPU-30200 within the overcoating intervals specified.
6. Provide adequate ventilation during application and drying.

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 **EPU-30200** until homogeneous, add Comp. B **EPUH-30200 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 6 : 1 (by volume)**. Apply 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, 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.