

PROGUARD PRIMER EPP-20100

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PRODUCT DESCRIPTION & USES

PROGUARD PRIMER EPP-20100 is a two-components epoxy primer surface and flash rust tolerant paint. This product is used as anti-corrosion paint for universal primer for all areas which protection anti corrosion needed.

This primer is used for ferrous and non-ferrous metal such aluminum, fiber, etc.

FEATURES

- Good Abrasion and Impact Resistance
- Good Toughness
- Good Corrosion Resistance
- Flash Rust Tolerant
- As a Mono Coat System for Light Duty Interior Application
- Pencil Hardness 2H
- Fast Dry Version is Available Upon Request

PRODUCT SPECIFICATION

Colours : Light Grey, Red Oxide
Finish : Matt
Volume Solid : 80 ± 2%
Specific Gravity : 1.50 ± 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
Application Method : Airless Spray Air Spray Brush/Roller
Thinning Ratio by Volume : 5 – 10% 15 – 30% 0 – 5%
Mixing Ratio by Volume :

A Component (EPP - 20100)	:	B Component (EPPH - 20100 PS)	= 4 : 1 (v/v)
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Thinner : THME-90100, THME-90110, THME-90120
Tip Size for Airless Spray Gun : 0.021 – 0.023 inch Air pressure : approx. 160 bar/2300 psi
Nozzle Orifice for Air Spray : 1 – 1.5 mm Air pressure : approx. 3 - 4 bar/40 - 60 psi
Wet Film Thickness (WFT) : 150 – 250 microns or 6 – 10 mils
Dry Film Thickness (DFT) : 125 – 200 microns or 5 – 8 mils
Theoretical Coverage : 6.4 m²/liter set (DFT = 125 microns)

Pot Life	20°C	30°C	40°C
	4 – 5 hours	3 – 4 hours	3 – 3.5 hours

FILM PROPERTIES

Drying Time (@ DFT = 125 mic)	20°C	30°C	40°C
• Surface Dry	30 – 40 minutes	20 – 30 minutes	15 – 25 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 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	: PROGUARD PRIMER EPP-20100
Intermediate Coat	: According to specification
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 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. PROGUARD PRIMER EPP-20100 can be applied to surfaces prepared by Hydroblasting Standard HB2 which have flash rust not worse than HB2M.
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 **EPP - 20100** until homogeneous, add Comp. B **EPPH - 20100 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4 : 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.