

# PROGUARD UNIVERSAL EPP-20200

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## PRODUCT DESCRIPTION & USES

**PROGUARD UNIVERSAL EPP-20200** is a universal two-components epoxy primer. This primer is used for ferrous and non-ferrous metal such aluminum, fiber, etc. This quality is especially distinguished by its high mechanical corrosion resistance. This product is also suitable as a mono coat system for light duty interior application and only use for interior materials.

## FEATURES

- Excellent Abrasion and Impact Resistance
- Good Toughness
- Excellent Corrosion Resistance
- As a Mono Coat System for Light Duty Interior Application
- Pencil Hardness 2H

## PRODUCT SPECIFICATION

Colours : Light Grey, Red Oxide  
 Finish : Matt  
 Volume Solid : 76 ± 2%  
 Specific Gravity : 1.42 ± 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 (EPP - 20200)	:	B Component (EPPH - 20200 PS)	= 4 : 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%      15 – 30%      0 – 5%  
 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) : 195 – 265 microns or 7.8 – 10.6 mils  
 Dry Film Thickness (DFT) : 150 – 200 microns or 6 – 8 mils  
 Theoretical Coverage : 5.0 m<sup>2</sup>/liter set (DFT = 150 microns)  
 Pot Life :

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

## FILM PROPERTIES

Drying Time (@ DFT = 150 mic) :

20°C	30°C	40°C
30 – 40 minutes	15 – 25 minutes	10 – 20 minutes
7 – 8 hours	3.5 – 4 hours	3 – 3.5 hours

• Surface Dry :  
 • Hard Dry :  
 • Full Cure : 7 days (30 °C)  
 Re-Coating Interval : Minimum 6 hour (30°C)  
 Maximum 6 weeks (30°C)\*

Provide adequate ventilation during application and drying.

\*For details please contact with PROPAN Technical Supervisor

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

## RECOMMENDED COATING SYSTEM

Primer Coat	: PROGUARD UNIVERSAL EPP-20200
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. PROGUARD UNIVERSAL EPP-20200 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

Prepare one mixture (A+B) as much as needed for application. Firstly stir well Comp. A **EPP – 20200** until homogeneous, add Comp. B **EPPH - 20200 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.

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