

PROSHOP EPP-20102

No. TD : E-020
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PRODUCT DESCRIPTION & USES

PROSHOP EPP-20102 is an epoxy based quick drying primer which has good temporary corrosion protection. To be used as per-construction primer on blast cleaned steel surfaces in automatic shop-priming to protect steel during transport, storage and production.

FEATURES

- Good Abrasion and Impact Resistance
- Good Corrosion Resistance
- Fast Dry

PRODUCT SPECIFICATION

Color : Red Oxide
Finish : Matt
Volume Solid : 28 ± 2%
Specific Gravity : 1.23 ± 0.02 g/cc
Flash Point : 25 °C
Packaging : 18.5 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

Application Condition : 25 – 35 °C, 60 – 80 % RH
Application Method : Airless Spray Conventional Spray Brush/Roller
Thinning Ratio by Volume * : Not Recommended (Can Add If Necessary)
Mixing Ratio by Volume :

| | | | |
|----------------------------|---|--------------------------------|------------------|
| A Component (EPP-20102) | : | B Component (EPPH-20102 PS) | = 18 : 0.5 (v/v) |
|----------------------------|---|--------------------------------|------------------|

Thinner Cleaner : THME-90100 (Fast Drying), THSG-90300 (Medium Drying)
Tip Size for Airless Spray Gun : 0.015 – 0.017 inch Air Pressure : approx. 160 atm; 2300 psi
Nozzle Orifice for Air Spray : 1 – 1.5 mm Air Pressure : approx. 3 - 4 atm; 40 - 60 psi
Wet Film Thickness (WFT) : 71 – 107 microns or 2.9 – 4.4 mils
Dry Film Thickness (DFT) : 20 – 30 microns or 0.8 – 1.2 mils
Theoretical Coverage : 11.5 m²/Lt set (DFT = 25 microns)
Pot Life :

| 20°C | 30°C | 40°C |
|---------------|---------------|---------------|
| 15 – 17 hours | 11 – 12 hours | 10 – 11 hours |

FILM PROPERTIES

Drying Time (@ DFT = 25 mic) :

| | 20°C | 30°C | 40 |
|---------------|-----------------|-----------------|----------------|
| • Surface Dry | 6 – 8 minutes | 3 – 5 minutes | 3 – 4 minutes |
| • Hard Dry | 15 – 25 minutes | 10 – 15 minutes | 8 – 15 minutes |

Full Cure : 7 days (30°C)
Re-coating Interval : Minimum 6 hours (30°C)
Maximum 90 days (30°C)**

Provide adequate ventilation during application and drying.

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

**It is depends on weather, exposure, thickness, storage

*For more details please contact PROPAN Technical supervisor

RECOMMENDED COATING SYSTEM

| | |
|----------------------------------|-------------------------------|
| Primer Coat | : PROSHOP EPP-20102 |
| Intermediate Coat | : According to Specification* |
| Finish Coat | : According to Specification |
| Recommended Dry Film Thickness : | 1 coat (25 microns / coat) |

*Overcoating with systems based on epoxy resins or polyurethanes not zinc ethyl silicate.

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 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-20102** until homogeneous, add Comp. B **EPPH-20102 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 18 : 0.5 (by volume)**. 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, 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.