

PROZINC 85 EPZ-20121

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PRODUCT DESCRIPTION & USES

PROZINC 85 EPZ-20121 is a two-components polyamide cured zinc rich epoxy primer. This product has excellent corrosion resistance and used as a primer for bridges, steel structures, pipes, towers, and exterior storage tanks.

FEATURES

- Excellent Corrosion Resistance
- Good Adhesion
- Good Toughness
- Complies Accordance of SSPC Paint 20 type II level 2
- Complies Accordance to ASTM D520 type II Zinc Dust

PRODUCT SPECIFICATION

Color : Grey
 Finish : Matt
 Volume Solid : 70 ± 2%
 Specific Gravity : 2.3 ± 0.05 g/cc
 Flash Point : 25 °C
 Packaging : 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
 Mixing Ratio by Volume :

A Component (EPZ - 20121)	:	B Component (EPZH - 20121 PS)	= 4 : 1 (v/v)
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Thinner and Cleaner : THME-90100, THME-90120
 Application Method : Airless Spray Air Spray Brush/Roller
 Thinning Ratio by Volume : 0 – 5% 15 – 20% 5 – 10%
 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) : 70 – 110 microns or 2.8 – 4.4 mils
 Dry Film Thickness (DFT) : 50 – 75 microns or 2.0 – 3.0 mils
 Theoretical Coverage : 9.30 m²/liter set (DFT = 75 microns)
 Pot Life :

20°C	30°C	40°C
4 - 5 hours	3 - 4 hours	2 – 3 hours

FILM PROPERTIES

Drying Time (@ DFT = 75 mic) :

20°C	30°C	40°C
30 – 40 minutes	20 – 30 minutes	15 – 25 minutes
7 – 8 hours	4 – 5 hours	3.5 – 4.5 hours

• Surface Dry :
 • Hard Dry :
 • Full Cure : 7 days

Re-coating interval : Minimum 6 hours (30°C)
 Maximum 7 days* (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 : **PROZINC 85 EPZ-20121**
Intermediate Coat : **PROMASTIC EPM-60110 or PROGUARD MIO EPU-30200**
Finish Coat : **According to specification**
Recommended Dry Film Thickness: 1 coat (75 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. PROZINC 85 EPZ-20121 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 **EPZ-20121** until homogeneous, add Comp. B **EPZH-20121 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-90120** as solvent cleaner. Keep stirring the mixture during application. 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.