

PROGUARD TOPCOAT EPC-50100

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PRODUCT DESCRIPTION & USES

PROGUARD TOPCOAT EPC-50100 is a two-components epoxy finish gloss paint. It forms a hard and tough coating resistance to abrasion, chemical and impact. It has a glossy finish and fair gloss retention.

FEATURES

- Good Abrasion Resistance
- Good Impact Resistance
- Good Resistance to Splash of Mild Chemicals and Water
- Easy to Apply

PRODUCT SPECIFICATION

Colors : Available on Propan Color Card
 Finish : Gloss
 Volume Solid : 55 ± 2%
 Specific Gravity : 1.30 ± 0.04 g/cc
 Flash Point : 23 °C
 Packaging : 5 & 20 Liters set
 Storage Stability : 24 Months. If it is stored in cool and dry place, not direct to sunlight, freezing also in its original not opened package (Do not store below point)

APPLICATION

Application Condition : 25 – 35 °C, 60 – 80% RH
 Mixing Ratio by Volume :

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|---------------|---|-------------------|---------------|
| A Component | : | B Component | = 4 : 1 (v/v) |
| (EPC - 50100) | : | (EPCH - 50100 PS) | |

Thinner : THME-90100, THME-90120, etc
 Application Method : Airless Spray Air Spray Brush/Roller
 Thinning Ratio by Volume : 0 – 5 % 25 – 30 % 0 – 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) : 90 – 135 microns or 3.6 – 5.4 mils
 Dry Film Thickness (DFT) : 50 – 75 microns or 2.0 – 3.0 mils
 Theoretical Coverage : 7.30 m²/liter set (DFT = 75 microns)

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|------------|-------------|-------------|-------------|
| Pot Life : | 20°C | 30°C | 40°C |
| | 5 – 6 hours | 4 – 5 hours | 2 – 3 hours |

FILM PROPERTIES

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|--------------------------------|-----------------|-----------------|-----------------|
| Drying Time (@ DFT = 75 mic) : | 20°C | 30°C | 40°C |
| • Surface Dry : | 50 – 60 minutes | 20 – 30 minutes | 15 – 25 minutes |
| • Hard Dry : | 8 – 9 hours | 3 – 4 hours | 2.5 – 3.5 hours |

• Full Cure : 7 days (30°C)

Re-coating Interval : Minimum 6 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

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|--------------------------------|-------------------------------------|
| Primer Coat | : According to Specification |
| Intermediate Coat | : According to Specification |
| Finish Coat | : PROGUARD TOPCOAT EPC-50100 |
| Recommended Dry Film Thickness | : 1 coat (75 microns / coat) |

SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination in accordance with SSPC-SP 1 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 TOPCOAT EPC-50100.
4. PROGUARD TOPCOAT EPC-50100 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 over coated with PROGUARD TOPCOAT EPC-50100 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 **EPC-50100** until homogeneous, add Comp. B **EPCH-50100 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4 : 1 (by volume)**. Mixed material could apply using airless spray, brush or roller. Use Thinner **THME-90100 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:

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| 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.