

PROTHANE TOPCOAT PUT-50895

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PRODUCT DESCRIPTION & USES

PROTHANE TOPCOAT PUT-50895 is a two-component polyurethane enamel made from polyurethane aliphatic acrylic. This product is used as a top coat on a wide variety of metal substrates. It provides excellent weather resistance and high mechanical properties.

FEATURES

- Fast Dry
- Excellent Gloss Resistance
- Excellent Weathering Resistance
- Non-Chalking and Non-Yellowing
- Good Abrasion Resistance
- Good Impact Resistance
- Good Sanding Ability
- Good Resistance to Splash of Mild Chemicals and Water

PRODUCT SPECIFICATION

Colors : Color Available by Request
 Finish : Gloss
 Volume Solid : 60 ± 2%
 Specific Gravity : 1.25 ± 0.04 g/cc
 Flash Point : 27 °C
 Packaging : 5 & 20 Liters
 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 (PUT-50895)	:	B Component (PUTH-50895 PS)	= 4 : 1 (v/v)
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Thinner : THPU-71352 M, etc
 Application Method : Airless Spray Air Spray Brush/Roller
 Thinning Ratio by Volume : 0 – 5% 30 – 50% 0 – 5 %
 Tip Size for Airless Spray Gun : Approx. 0.43 mm (0.017 inch) Air Pressure : approx. 140 bar/1600 psi
 Nozzle Orifice for Air Spray : Approx. 1 – 1.5 mm Air Pressure : approx. 3-4 bar/40-60 psi
 Wet Film Thickness (WFT) : 55 – 75 microns or 2.2 – 3.0 mills
 Dry Film Thickness (DFT) : 30 – 40 microns or 1.2 – 1.6 mills
 Theoretical Coverage : 18 m²/liter set (DFT = 40 microns)

Pot Life	20°C	30°C	40°C
	3.5 – 4.5 hours	1.5 – 2.5 hours	0.5 – 1 hours

FILM PROPERTIES

Drying Time (@ DFT = 40 mic)	20°C	30°C	40°C
• Surface Dry	50 – 60 minutes	15 – 20 minutes	5 – 10 minutes
• Hard Dry	75 – 90 minutes	45 – 50 minutes	20 – 30 minutes
Full Cure	: 7 Days (30 °C)		

Sanding Time : Minimum 1 hour
Re-coating Interval : Minimum 1 hour with sanding
*For more detail please contact PROPAN Technical supervisor

RECOMMENDED COATING SYSTEM

Primer Coat : **PROGUARD PRIMER EMP-20670**
Intermediate Coat : **PROTHANE TOPCOAT PUT-50895**
Finish Coat : **PROTHANE TOPCOAT PUT-50895**
Recommended Dry Film Thickness : **2 coat (20 microns / coat)**

SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination in accordance with SSPC-SP1 solvent cleaning.
2. In case of new steel, abrasive sand blasting to minimum Sa 2 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 of areas of breakdown, damage and etc., should be prepared to the specified standard (e.g. Sa 2^{1/2} (ISO 8501-1) and primed prior to the application of PROTHANE TOPCOAT PUT-50895.
4. PROTHANE TOPCOAT PUT-50895 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 overcoated with PROTHANE TOPCOAT PUT-50895 within the overcoating intervals specified.

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 **PUT-50895** until homogeneous, add Comp. B **PUTH-50895 PS** and mix thoroughly. Mix ratio **Comp. A : Comp. B = 4 : 1 (by volume)**. The mixed material can be applied using airless spray, air spray, brush or roller. Use Thinner **THPU-71352 M** 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

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