

POLYURETHANE TOP COAT PUT-603

No. TD : P-051
 Revision : 02
 Effective Date : 10/12/2019

POLYURETHANE TOP COAT PUT-603 is a multipurpose polyurethane enamel. It provides good resistance to splash of mild chemicals, water, impact, and abrasion, with its excellent gloss resistance, non yellowing, non chalking and easy to clean. This product is used as a top coat at exterior or interior on a wide variety of substrate such as steel/iron, concrete, GRC panel, and asbestos cements. This product can be re-coated after a long atmospheric exposure.

PRODUCT SPECIFICATION

Type : Two component polyurethane
 Color : As shown in the color card
 Finish : Glossy
 Solid content by volume (mixture): $47 \pm 2\%$
 Specific gravity (mixture) : 1.03 ± 0.05 g/cc
 Flash point : 27°C
 Packaging : 1 kg, 5 kg, 20 kg set

APPLICATION

Application condition : $25 - 35^{\circ}\text{C}$, 60 - 80%RH
 Application method : Air spray Brush / Roller
 Thinning ratio by weight : 30% 10%
 Viscosity of mixture (DIN 4) : 12 - 15 sec 25 sec
 Mixing ratio by weight :

A Component	:	B Component	:	Thinner	=	4 : 1 : 2
(PUT-603)	:	(Hardener PUT-603)	:	(Thinner Polyurethane MD)		

Thinner : Thinner Polyurethane MD
 Pot life (mixture, 30°C) : 3 – 4 hours (200 g set mixture)
 Wet film thickness (WFT) : 100 microns or 4.0 mils
 Dry film thickness (DFT) : 50 microns or 2.0 mils
 Theoretical coverage : $9 \text{ m}^2/\text{kg}$ set (DFT = 50 micron)

FILM PROPERTIES

Drying time
 Surface dry : 30 minutes (30°C)
 Hard dry : 4 hours (30°C)
 Full cure : 7 days (30°C)
 Re-coating interval : Minimum 12 hours (30°C)
 Maximum 30 days (30°C)

OTHERS

Storage Stability : Two years if it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination.
2. It is recommended to apply the appropriate primer before applying this coating.

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INSTRUCTION FOR USE

Prepare one mixture (A+B+Thinner) as much as needed for application.

Firstly stir well Comp. A **PUT - 603** until homogenous, add Comp. B **Hardener PUT - 603** and mix thoroughly. Mix ratio Comp. A : Comp. B = 4 : 1 (by weight). Then add **Thinner Polyurethane MD** and mix until homogenous again. Apply mixed material using brush or roller. To achieve a smooth surface use a good quality brush or roller. An air spray application is also possible. Do not apply the mixed material after pot life time is over. The mixture could be gelled in 4 hours.

Provide adequate ventilation during application and drying.

RECOMMENDED COATING SYSTEM

Preceding coat : **EPOXY PRIMER EDP-551**

Subsequent coat : -

SAFETY PRECAUTION

This product does not contain any material with heavy metals such as lead. Avoid contact with the skin and eyes. Wear suitable protective coating such as overalls, goggles, dust mask, and gloves. Use barrier cream. This product is flammable. Do not smoke. Do not breathe vapor or spray. Use only explosion proof equipment. Provide adequate ventilation during application.

FIRST AID:

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| General | : In all cases of doubt, or when symptoms persists, 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. |