

CERAKOTE 997 PU HQ

No. TD : C-003
 Revision : 01
 Effective Date : 05/06/2024

CERAKOTE 997 PU HQ is a multipurpose polyurethane enamel provides good resistance to splash of mild chemicals, water, impact, and abrasion, with 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 ceramic tile, steel/iron, concrete, GRC panel, asbestos cements, swimming pool, etc.

PRODUCT SPECIFICATION

Type	: Two component polyurethane system
Color	: According to color card and tinting system
Volume solid	: 51 ± 2%
Specific gravity (mixture)	: 0.98 ± 0.02 g/cc
Finish	: Glossy
Storage Stability	: Five years if it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point/ no direct under sunlight)

APPLICATION

Application condition	: 20 – 40°C, 60 – 80%RH
Application method	: <u>Airless spray</u> <u>Air spray</u> <u>Brush</u>
Thinning ratio by volume	: 0 – 5% 10 – 20% 5 – 10%
Mixing ratio by volume	:

A Component	B Component	
(CERAKOTE 997 PU HQ)	(HARDENER CTC-997)	= 2 : 1 (v/v)

Thinner	: Thinner Polyurethane or THPU-71352 M
Tip size for airless spray gun	: approx. 0,38 - 0,43 mm (0,015 - 0,017 inc) air pressure : approx. 140 at; 1600 psi
Nozzle orifice for air spray	: 1 – 1,5 mm air pressure : approx. 3 - 4 at; 40 - 60 psi
Wet film thickness (WFT)	: 98 – 117 microns or 3.83 – 4.60 mils
Dry film thickness (DFT)	: 50 – 60 microns or 1.97 – 2.36 mils
Theoretical coverage	: 8.5 m ² /lt set (DFT = 60 microns)
Pot Life	:

20°C	30°C	35°C
4 – 5 hours	3 – 4 hours	2 - 3 hours

FILM PROPERTIES

Drying Time (at DFT = 50 mic)	:	20°C	30°C	35°C
• Surface Dry	:	3 – 4 hours	2.5 – 3.5 hours	2 – 3 hours
• Hard Dry	:	7 – 8 hours	5 – 6 hours	4 – 5 hours
Full cure	: 7 days			
Re-coating interval	: Minimum 24 hours (30°C)			

RECOMMENDED COATING SYSTEM

Preceding coat	: According to specification
Intermediate coat	: According to specification
Finish coat	: CERAKOTE 997 PU HQ
Recommended dry film thickness	: 1 coat (60 microns)

SURFACE PREPARATION

- All surfaces should be clean, oil free, dry, and free from contamination in accordance with SSPC-SP1 solvent cleaning.
- Areas of breakdown, damage, and etc., should be prepared to the specified standard (e.g. St 2 (ISO 8501-1) or equivalent and primed prior to the application of CERAKOTE 997 PU HQ.
- CERAKOTE 997 PU HQ should always be applied over a recommended primer coating scheme.
- The Primer surface should be dry and free from all contamination (oil, grease, salt, etc.) and overcoated with CERAKOTE 997 PU HQ within the overcoating intervals specified.
- 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 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.

DISCLAIMER

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