

## ULTRAN SUPER ENAMEL ULTRAN USE-60

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**ULTRAN SUPER ENAMEL USE-60** is a multipurpose polyurethane enamel made from polyurethane aliphatic acrylic. 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.

### FIELD APPLICATION

Topcoat for steel construction and steel component for interior or exterior.

### FEATURE & BENEFIT

1. High gloss
2. Excellent flow
3. Excellent exterior resistance
4. Excellent abbrasion resistance

### PRODUCT SPECIFICATION

Type	: Two component polyurethane
Color	: Clear gloss & clear dof
Finish	: Glossy
Volume solid (mixture)	: 44 ± 2%
Specific gravity (mixture)	: 1.00 ± 0.05 g/cc

### TEST PERFORMANCE DATA

Testing on Ultran USE-60 Clear Gloss

No	Test Item	Test Method	Standart Test	Specification	Result
1	Accelerated weathering	By QSUN Chamber	ASTM D6695	No color change	No color change
2	Pendulum hardness	By Pendulum Hardness	ASTM D4366	90-120 osc	100 osc (7 days)
3	Abrasion Resistance	By Abrasion Test CF17 750cycles	ASTM D4060	< 10.00% Loss	Loss 6%
4	Scratch Test	By Mosh Hardness	ASTM D3363	Grade 1 - 8	Grade 4
5	Adhesion Test	By Cross Cut Tape Test	ASTM D3359	> 3B	> 4B
6	Impact Test	By Impact Tester	ASTM D2794	20 – 30 IP	30 IP

## APPLICATION

Application condition	: 25 - 35°C, 60 - 80%RH	
Application method	: <u>Air spray</u>	<u>Brush</u>
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
(USE-60)	:	(Hardener USE-60)	:	(Thinner Polyurethane MD)		

Thinner	: Thinner Polyurethane MD
Pot life (mixture, 30°C)	: 3 – 4 hours (200 g set mixture)
Wet film thickness (WFT)	: 113 microns
Dry film thickness (DFT)	: 50 microns
Theoretical coverage	: 8.8 m²/L set (DFT = 50 micron) before thinning

## 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)
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## SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Remove the rust with wire brush, sand paper, rust converter ROST X-10.
4. Provide adequate ventilation during application and drying.

## INSTRUCTION FOR USE

Prepare one mixture (Base + Hardener then mixing and add Thinner) as much as needed for application. First, stir well ULTRAN USE-60 and HARDENER USE-60, then add Thinner Polyurethane MD and mix until homogen. Apply mixed material using conventional spray. To achieve a smooth surface use a good quality brush or roller. Do not apply the mixed material after pot life time is over. Provide adequate ventilation during application and drying.

## RECOMMENDED COATING SYSTEM

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

### **SAFETY PRECAUTION**

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks, and solvent resistance gloves. Use barrier cream.

This product is flammable. Subject to spontaneous heating. Do not smoke. Use only explosion proof equipment. Do not breathe the vapour of spray. Ensure adequate ventilation and fresh air entry during application and drying. If there are experiences eye watering, headaches, dizziness or difficulty breathing, leave the area to obtain fresh air or respiratory protection.

### **FIRST AID**

Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice

Skin contact : Wash with soap and water. If irritation occurs, seek medical advice

Ingestion : Provide symptomatic treatment and seek medical advice

Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration

### **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.