

# EUNICOTE PU 3600

HIGH-EFFICIENCY ACID STAIN RESISTANT POLYURETHANE PROTECTIVE COATING

## DESCRIPTION

EUNICOTE PU 3600 is a two component polyurethane topcoat designed for applications requiring high chemical resistance, toughness, and weatherability. This thin-film, single-coat protection offers exceptional resilience against corrosion, chemicals, and abrasion. It serves as an acid stain-resistant coating, suitable for a diverse range of surfaces when applied over various primers and intermediates. EUNICOTE PU 3600 has excellent weathering performance and durability across a broad spectrum of colors, as well as its outstanding flexibility.

## USES

EUNICOTE PU 3600 is a protective coating for various areas:

- Structural steel
- Tank exteriors
- Rail cars and locomotives
- Pipelines, conveyors, ships
- Bridges
- Petrochemical, oil and gas
- Marine, GRP, and power sectors

## APPLICATION

**Application Conditions:** Temperature between 4°C and 43°C with a relative humidity of 90%.

### Surface Preparation

In preparation for the application of EUNICOTE PU 3600, meticulous surface preparation is imperative. The targeted surfaces must exhibit structural integrity, ensuring they are sound and free from loose or unsound material. It is crucial to maintain a dry surface, with surface moisture limited to less than 5%. A thorough brushing with a stiff brush is recommended to remove any dust, dirt, or loose material.

TYPICAL PROPERTIES	
Appearance	Variable color liquid
Solid Content (by volume)	70% ± 2%
Dry Thickness	75 µm - 125 µm
Flash Point (ASTM D3828, Method B)	31°C
Drying Time (ASTM D5895)	2 -3 hours
Overcoating (ASTM D5895)	6 - 7 hours
Full Cure (@25°C and 50% RH)	7 days
Sag Resistance (ASTM D4400)	200 µm
Hardness by Pencil Test (5B, 5H) (ASTM D3363)	0.12 g
Scrub Resistance (Film Thickness = 175 µm) (ASTM D2486)	Pass
Abrasion Resistance (CS-10 Wheel, 1000 cycles) (ASTM D4060)	> 1600 cycle

Additionally, surfaces contaminated with oil, grease, or chemical spillage should undergo cleaning using an alkaline detergent with water or steam cleaning.

It's essential to note that EUNICOTE PU 3600 is to be applied exclusively on surfaces that have been previously primed, whether they are steel or concrete.

### **Application Instructions**

EUNICOTE PU 3600 can be applied using a brush, roller, or airless spray method. When using a brush or roller, it is recommended to use a medium bristle brush or a synthetic roller cover with a phenolic core. These tools provide effective and efficient application of the coating, ensuring a smooth and even finish.

Spray: Up to 10% with an applicable thinner

Brush and Roller: Up to 15% with an applicable thinner.

### **MIXING**

To achieve an optimal mixture for EUNICOTE PU 3600, start by power mixing Part A independently until a thorough blend is attained. Similarly, perform a separate power mix for Part B. Once both components are individually well-mixed, combine Part A and Part B. Subsequently, conduct a final round of power mixing to ensure a homogeneous appearance throughout the mixture. This step-by-step process guarantees a uniformly blended solution, ready for application across diverse industrial and environmental contexts, offering reliable and consistent performance.

### **COVERAGE**

The coverage of EUNICOTE PU 3600 is approximately 14 m<sup>2</sup>/L at 50 µm.

### **PACKAGING**

EUNICOTE PU 3600 is supplied in 3.6 and 19 Liter kits.

### **STORAGE**

EUNICOTE PU 3600 should be stored and maintained at temperatures between 10°C and 25°C.

The shelf life of EUNICOTE PU 3600 is 12 months from the date of production.

### **HEALTH AND SAFETY**

For more information, please check the Material Safety Data Sheet.

### **CONTACT**

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at [techsupport@alfaihaengineering.com](mailto:techsupport@alfaihaengineering.com).

### **DISCLAIMER**

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