

# EUNICOTE ES 2300

SOLVENT FREE EPOXY COATING

## DESCRIPTION

EUNICOTE ES 2300 stands as a solvent-free, high-gloss, high-build pigmented epoxy protective coating, recognized for its exceptional chemical and mechanical attributes.

Provided in pre-weighted packs, EUNICOTE ES 2300 is a dual-component product, primed for on-site blending.

## USES

EUNICOTE ES 2300 is recommended for heavy-duty protective coating on concrete and steel surfaces, including structural steel, pipe work, concrete walls, and floors.

## ADVANTAGES

- Solvent free.
- Fast curing.
- Self priming.

## MIXING

To guarantee thorough blending, employ a mechanically driven mixer or a drill equipped with an appropriate paddle. Stir each component's contents individually to disperse any settling. Combine the complete hardener content with the base and blend for a duration of 3 minutes until a consistent color and texture are attained.

## APPLICATION

**Application Conditions:** Temperature between 5°C and 40°C and 16 - 48 hours between coats.

## Surface Preparation

Ensure that the substrate is solid, clean, and devoid of oil and loose particles. Any surface laitance present should be eliminated using methods like grit blasting or water jetting.

## TYPICAL PROPERTIES

Appearance	Variable
Mixed Density	1.5 g/cm <sup>3</sup> ± 0.02
Solid Content (by volume)	98% ± 2%
Bond Strength (ASTM D4541)	> 1.5 MPa
Bond Strength (over EUNICOTE ES 2050) (ASTM D4541)	> 2 MPa
Compressive Strength (BS 6319, Part 2)	> 85 MPa
Flexural Strength (BS 6319, Part 3)	> 40 MPa
Tensile Strength (BS 6319, Part 7)	> 6 MPa
Dry Thickness One Coat	200 µm
Dry Thickness Two Coat	400 µm
Time Between Coats (@20°C)	24 hours
Pot Life	1 hours
To Touch	12 hours
Full Cure (@24°C and 50% RH)	7 days



### **Application Instructions**

EUNICOTE ES 2300 can be applied using a brush, roller, or airless spray method.

Start with the initial coat, aiming for a consistent, uninterrupted coating with a thickness of 200 microns. The second coat should be administered within the specified overcoating timeframe, ensuring optimal adhesion between the two coats.

For cleaning tools and equipment, utilize Thinner #2.

In the case of dried EUNICOTE ES 2300, mechanical removal is recommended.

### **COVERAGE**

The coverage of EUNICOTE ES 2300 is approximately 5 m<sup>2</sup>/L per coat.

### **PACKAGING**

EUNICOTE ES 2300 is supplied in 3.6 and 18 liter kits.

### **STORAGE**

EUNICOTE ES 2300 should be stored and maintained at temperatures between 10°C and 25°C.

The shelf life of EUNICOTE ES 2300 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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