

# EUNICOTE ES 1730

## HEAVY DUTY EPOXY COATING AND SEALER

### DESCRIPTION

EUNICOTE ES 1730 is a high-performance, heavy-duty epoxy mastic coating that offers exceptional chemical resistance for industrial applications. This self-priming, standalone system is suitable for a variety of chemical environments and can be applied over most existing coatings, as well as serving as a surface sealing system. EUNICOTE ES 1730 enhances the hygienic conditions of the space, facilitating easy cleaning and offering dust-proofing properties.

### USES

- Versatile coating for steel and concrete surfaces
- Self-priming, surface-tolerant, high-build characteristics
- Ideal for coating structural steel, pipework, and concrete walls and floors
- Suitable for operating and clean rooms in hospitals
- Applicable in various other environments

### ADVANTAGES

- Environmentally friendly
- Odorless
- Protects surfaces from bacteria, mold, and yeast growth
- Prevents decay of the coating or substrate
- Ensures odor control and maintains hygiene
- Provides excellent adhesion
- Exhibits excellent alkali resistance
- Easily washable for maintenance

### MIXING

Mix the base and the hardener thoroughly using an electric powered mixer until you achieve a homogeneous, uniformly colored mixture. Do not mix partial kits.

### APPLICATION

**Application Conditions:** Temperature between 10°C and 43°C with a relative humidity < 80%.

### TYPICAL PROPERTIES

Appearance	Variable Color Liquid
Solid Content (by volume)	80% ± 2%
Flash Point (ASTM D)	60°C
Sag Resistance (ASTM D)	200 µm
Abrasion Resistance (weight loss after abrasion)	0.07 g
Hardness (5B, 5H pencil test) (ASTM D)	Pass
Scrub Resistance (175 µm thickness) (ASTM D)	> 1600 cycles
Dry Thickness	100 µm
Drying Time	5 - 6 hours
Full Cure (@24°C and 50% RH)	7 hours
Overcoating Time (ASTM D)	7 - 8 hours

### Surface Preparation

Steel:

It is imperative that surfaces are clean, dry, and free from dirt, dust, oil, and any other contaminants that could impair the coating's adhesion. For surfaces in mild environments, use hand or power tools in line with SSPC-SP2 or SSPC-SP3 standards. If the steel is for non-immersion service, it should be abrasively blasted to a Commercial Finish according to SSPC-SP6 standards, ensuring a surface profile of 25 µm - 50 µm. For steel that will be used in immersion service, abrasive blast to a Near White Metal Finish as per SSPC-SP10, also with a 25 µm - 50 µm profile.

**Concrete:**

- Remove all oil, grease, dirt, and contaminants
- Excavate contaminated or damaged concrete to expose clean, sound concrete
- Cure concrete for at least 28 days at 21°C and 50% relative humidity or equivalent
- Eliminate surface irregularities by stoning, sanding, or grinding
- Abrasive blast to open voids and remove foreign materials, achieving a medium-grit sandpaper texture
- Surface (Level) any voids in the concrete
- Remove residual sand and dust by blowing or vacuuming

**Application Instructions**

Apply EUNICOTE ES 1730 using a brush, roller, or airless spray. When using a brush, opt for one with medium bristles. If applying with a roller, choose a short-nap synthetic roller with a phenolic core to ensure the best results.

**COVERAGE**

The coverage of EUNICOTE ES 1730 is approximately 6 m<sup>2</sup>/L - 8 m<sup>2</sup>/L at 100 µm thickness.

**STORAGE**

EUNICOTE ES 1730 should be stored and maintained at temperatures between 10°C and 25°C.

The shelf life of EUNICOTE ES 1730 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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