

EUNICOTE ES 9

TWO COMPONENT EPOXY FLOORING SYSTEM

DESCRIPTION

EUNICOTE ES 9 is a solvent-based, two-component epoxy resin coating, specifically designed for high-quality protective and decorative floor coatings. It is available in multiple colors and provides a durable, slip-resistant finish.

USES

EUNICOTE ES 9 is used as a chemical-resistant coating for concrete floors and walls in areas prone to spillage and splashes, such as bund walls, factory and laboratory floors. It's also suitable for decorative and abrasion-resistant finishes in areas subjected to traffic, including car parks, light and heavy vehicle traffic areas, showrooms, dairies, and abattoirs.

ADVANTAGES

- Easy to apply by brush, roller, or spray.
- Rapid drying and cure allowing early traffic.
- Durable and decorative.
- Resistant to a wide range of industrial chemicals.
- Seamless, hygienic and easily cleaned.

APPLICATION

Surface Preparation

Surfaces to be coated must be structurally sound, dry (less than 5% surface moisture), and free from loose or unsound material. Surfaces contaminated with oil, grease, or chemical spillage should be cleaned using an alkaline detergent with water or steam cleaning, then rinsed and dried before application. The product can also be applied to existing epoxy floor screeds that are clean, level, and free from dust.

MIXING

Mixing Ratio: 4:1

EUNICOTE ES 9 requires thorough mixing of the resin and hardener components, using a mechanical stirrer for at least 3 minutes. If thinners are being added for priming applications, they should be added after the resin/hardener have been mixed

TYPICAL PROPERTIES

Appearance	Variable Color Liquid; High Gloss or Matte Finish
Solid Content (by volume)	60%
Topcoats	Epoxies, polyurethanes, acrylics, alkyds
Scrub Resistance (175 µm thickness) (ASTM D)	> 1600 cycles
Dry Thickness	100 µm
Pot Life	45 minutes
Between Coats (@24°C and 50% RH)	48 hours
To Topcoat	16 hours
Full Cure (@24°C and 50% RH)	7 hours
Adhesion	Greater than the cohesive strength of concrete
In Service Temperature	10°C - 38°C

Chemical Resistance:

Typical data for solutions at 20°C over a period of 90 days are provided below.

Solution	EUNICOTE ES 9
Acetic Acid 10%	P
Acetone	G
Caustic Soda 30%	E
Ethylene Glycol	E
Hydrochloric Acid 10%	VG
Nitric Acid 10%	VG
Petrol	E
Sulphuric Acid	VG
Vegetable Oil White Spirit	E

Key

E = Excellent; no change

G = Good; slight attack

VG = Very good

P = Poor; heavy attack

Application Instructions

EUNICOTE ES 9 is applied using standard paint application techniques. A brush or roller is recommended for small areas, and a lamb's wool roller or airless spray for larger areas. The first coat should cure for 4 - 8 hours, depending on temperature, before recoating.

When applying EUNICOTE ES 9 with a brush, a single worker can cover approximately 20 m² to 25 m² per hour. This rate reflects the area that can be coated in a typical work hour, highlighting the brush method's efficiency.

If a roller is used for the application, the efficiency increases. In this case, a single worker can cover about 30 m² to 40 m² per hour. The roller application is more efficient than using a brush, as it allows covering a larger area in the same amount of time.

COVERAGE

	Smooth Concrete	Rough Concrete
Brush	8 - 10 m ² /kg	7 - 9 m ² /kg
Roller	9 - 11 m ² /kg	8 - 10 m ² /kg

Up to 1 liter of EUNICOTE ES 9 thinners may be added per 4 kg pack for the first coat, increasing coverage by approximately 10% on porous surfaces.

PACKAGING

EUNICOTE ES 9 is supplied in 7.2- and 36-liter kits.

STORAGE

EUNICOTE ES 9 should be stored and maintained in closed containers, protected from extreme temperatures and away from sources of ignition.

The shelf life of EUNICOTE ES 9 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.

DISCLAIMER

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