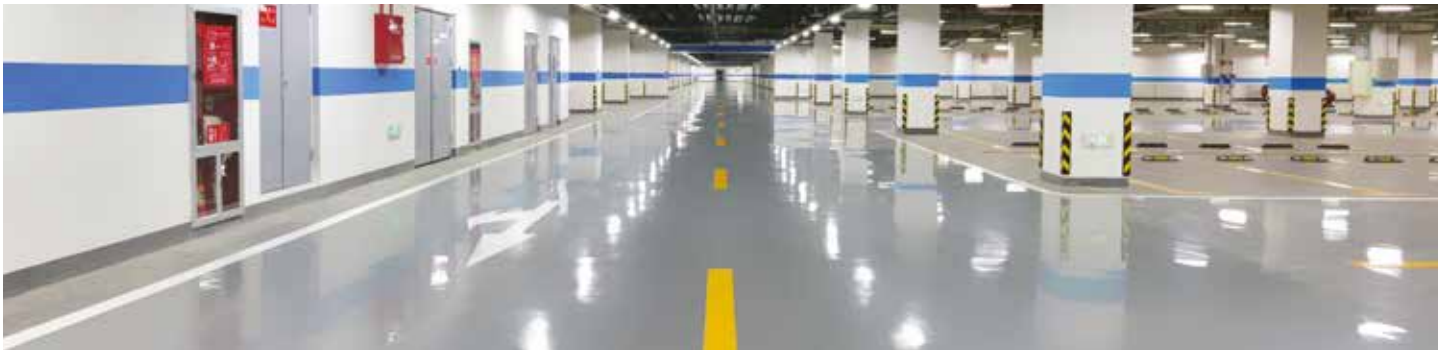
EUNICOTE ES Anti-Static

Medium load bearing, anti-static epoxy system



Product Description

EUNICOTE ES Anti-Static is a medium to heavy duty anti-static, roller coat applied, shrinkage compensated, vinyl ester resin based coating with excellent resistance to aggressive chemicals and solvents as well as resistance to mechanical and thermal attack.

Uses

- Hazardous dust and chemical environments
- EUNICOTE ES Anti-Static is mostly used in electronic and telecommunication industries, automotive industries, pharmaceutical factories, aerospace industries, operation theatres, computer rooms
- Provide a floor having joint-free finishes along with high chemical resistance and decorative properties.

Advantages

- Conductive floor coating
- Excellent mechanical strength and anti-static properties
- Abrasion resistance
- Good adhesion to non-porous substrates
- Easy to clean and maintain
- Easy to apply
- Extremely resistant to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels.

Typical Properties

- Fire Resistance (EN13501-1): B-S1.
- Bond Strength: > 4 N/mm2
- Flexural Strength (ASTM D 790): 125 N/mm2
- Tensile Strength(ASTM D 638): 73 N/mm2
- Slip resistance (BS 7976-2): Dry >40 low slip potential
- Emissions behavior: A+ classification.
- Thickness : 0.25 mm
- Electrical resistance (EN IEC 61340-5-1): 5×104-1×10^9ohms

Application

Surface Preperation

All Substrates should be dry (max. 5% moisture content), clean, sound and free of laitance. Surface grinders and shot blasting are used to prepare the surface; the surface should be properly cleaned and should be free from dust prior to application of primer.

Priming

Mix and apply a primer to the prepared dust free surface at approximately 0.35 kg/m^2. Self-adhesive copper tape with a cross section of 0.09mm x 19mm (e.g. 3M Scotch) is firmly applied to the cured floor at distances of about 20m. There should be an earthing point for every 100m^2 floor area. Floors of less than 100m^2 should have two earthing points.

Primer	0.35 kg/m2
Finish (smooth option)	EUNICOTE® ES Anti-Static 0.3 kg/m2
Finish (textured option)	EUNICOTE® ES Anti-Static @ 0.3 kg/m2 52 mesh conductive silica sand @ 2 kg/m2 EUNICOTE® ES Anti-Static @ 0.4 kg/m2

Apply

Pour the mixed material onto the floor and spread using a notched trowel to achieve the desired thickness. Roll with a spiked roller to release entrapped air and ensure a smooth surface. Allow to cure.

Speed of cure at 20 c°:

Light Traffic: 12 hrs.

Full Traffic: 24 hrs.

Full Chemical Cure: 72 hrs.

Storage
EUNICOTE ES Anti-Static should be stored in closed containers protected from extremes of temperature, and away from sources of ignition.

Packaging
EUNICOTE ES Anti-Static is supplied in special 4 kg dual pack tins, which combine an outer resin tin and a smaller inner hardener tin.

Technical Service
The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information
Al-Faiha for Engineering Products
techsupport@alfaihaengineering.com
www.alfaihaengineering.com