



EDSON ELECTRONICS

ELECTROGUARD E30 – TECHNICAL DATA Water-Based Static Dissipative Coating

A two-component system based on a Polyurethane blend designed to protect against static generation. This material is water based with low odour and can be safely applied by maintenance personnel without specialist knowledge of flooring systems.

Two coats are recommended for best results and should be applied over a sound, sealed floor, free from dirt, oil or any loose particles. To comply with the electrical specification it is strongly recommended that E30 be not applied over bare concrete. Where this occurs a Water Based Epoxy Primer should be first applied.

Physical Properties:

Volume Solids:	Approx 35%
Gloss Level:	20% to 30%
Typical Thickness:	40 microns per coat We recommend 2 thin coats, do not over apply thickness
VOC Content:	25gms/litre
Drying @ 20C:	Touch Dry 2 hrs Hard Dry 16 hrs Full Cure 7 Days
Pot Life:	2 hrs
Coverage:	9m ² /Litre per coat (we recommend 2 coats)
Mix Ratio:	Base/Activator supplied in correct ratio. Both parts must be FULLY used Base 4 Parts Activator 1 Part
Thinner:	We do NOT recommend thinning this paint
Colour:	Light Grey 00A05
Pack Size:	5 litres

Limitations

We advise against applying if Temperature is below 10C. Curing times are dependent on temperature, humidity and ventilation.

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Chemical Resistance:

Spot Test – 10 Days contact time

Paint Film shows very good splash / spill resistance to the following chemicals.:

5% Sodium Chloride 10% Hydrochloric Acid

10% Sulphuric Acid 10% Nitric Acid

5% Acetic Acid 10% Nitric Acid

10% Hydrogen Peroxide

We advise splashes / spills should be cleaned as soon as possible after they have occurred to prevent permanent damage to the coating

Application Directions:

See separate sheet

Electrical Properties:

Surface Resistance: 10(5)-10(8) Ohms/Square

Resistance to Ground: 10(5)-10(8) Ohms

Conforms to IEC 61340-5-1/2

Charge Decay: Conforms to MILB81705C