

FEATURES

- 2 Pack Water Based Polyurethane
- ESD Safe
- Static Dissipative
- Conforms to IEC61340-5-1
- Easily Applied
- Good Chemical Resistance
- Light Grey Colour RAL7004
- Easily Cleaned



E30 is a Two-Pack Water Based, Static Dissipative Polyurethane paint. It offers an inexpensive yet high specification means of protecting sensitive areas from the costly effects of static build up and provides a means of grounding personnel.

User Friendly

E30 is easily applied and maintained and consists of two components, pre-measured for convenience. It should not be confused with more expensive multi coat systems which require installation by specialist contractors and which fail to meet specification with wear. The paint can be applied by brush or roller and the equipment may be cleaned after use in warm water.

Attractive

E30 has excellent chemical resistance, can be easily cleaned and as a Polyurethane Paint it can withstand very heavy traffic wear. The paint has an attractive satin finish and is available in Light Grey, nearest to RAL7004

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



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Earthing the Coating

If the floor is required for grounding personnel then some means of connection to earth is necessary. Normally one grounding point is required for every 111 m² of flooring. The most effective way of grounding is achieved by using adhesive backed copper tape. The connection to the floor is attained by fixing a length (10cm is enough) of tape to the floor surface at the edge of a wall. The tape should be applied OVER the existing surface, previously painted or newly primed/sealed, and BEFORE E30 is applied. The tape is then run up the wall to connect with a grounding point, and E30 then applied to the floor as described below.

Grounding Points

Connection to Mains earth: The copper tape is run up the wall and into an Earth bonding box (this requires a qualified electrician to install). An alternative method is to connect the copper tape to an earth-bonding plug placed in an appropriate socket by means of an earth cord.

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TECHNICAL SPECIFICATIONS

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: 45-50m² PER 5 litre TIN (we recommend 2 coats) = 10m² PER LITRE

Mix Ratio: Base/Activator supplied in correct ratio - Base 4 Parts, Activator 1 Part

Thinner: We do NOT recommend thinning this paint

Colour: Light Grey RAL7004

Pack Size: 5 litres

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

Chemical Resistance: Spot Test – 10 Days contact time

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

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.

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

EP131 Primer Coat for E30 Polyurethane paint

Coverage: 10 m² per litre per coat (5 Litres covers around 50 sq/m)

1 coat only required—5 litres per tin

Note: If the floor is bare concrete we would recommend the use of a Water Based Sealer/Primer first of all. The key requirement is that the primer is WATER based, not solvent based. If the floor is already painted and in good condition then you can simply paint over the current surface.