

Flowprime ESD Conductive

Product sheet

Product description

A 2-component waterborne epoxy resin conductive primer used within electrostatic dissipative systems.

Uses

To be used prior to overcoating with electrostatic dissipating (ESD) resin coatings e.g. Flowseal ESD EPW and Flowseal ESD UV (coloured). It provides electrical continuity under ESD resin toppings and to earthing point.

Environment & Health

Flowprime ESD Conductive is a solvent free product, and practically odourless during application. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.

Ratio of components

The product is supplied in full units as A+B. Do not split the compounds/components as this may jeopardize the end result.

Add all of Base A to Hardener B. Mix with a slow speed drill and helical spinner, taking care not to entrain air.

Application temperature

The recommended substrate temperature is 15-25°C, but no less than 10°C.

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24hrs after application.

Consumption of Materials

Approximately 0.06-0.08 kg/m².

Electrical resistance must be checked before application of ESD resin toppings.

Application time/pot life

Ready-mixed product should be used within 40 minutes at a temperature of 20°C.

At higher temperatures the application time is shorter.

Curing time (at 20°C)

Can be overcoated after 12 hours.

Can be walked on after 12 hours.

Maximum overcoat time 24 hours.

Low relative humidity, maximum 70%, and good ventilation are prerequisites to achieve the above drying times.

The product is fully hardened after 5-7 days.

Do not cover within first 24 hours of curing.

Colour

Black.

Solids content

Approx. 33%.

Finish

Satin.

Density

Component A approx. 1.10 kg/litre.
Component B approx. 1.10 kg/litre.
A+B approx. 1.10 kg/l.

Storage

12 months in unopened pack.
Storage temperature between 5°C and 40°C.
Protect from weather and moisture / contaminant ingress.

Packaging

The product is delivered A+B in the following packs:-

Unit	Flowprime ESD Conductive Base A	Flowprime ESD Conductive Hardener B
4.8 kg (4.4 litres)	0.8 kg	4.0 kg

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