

Flowfast ESD Coating

Product sheet

Product description

A 4-component, coloured, medium viscosity methyl methacrylate (MMA) based topcoat with electrostatic dissipating properties.

Note: Flowfast Light Seal (new) is slightly less reactive than standard seal and must be used above 5°C. The Seal is delivered in white coloured tins.

Uses

Flowfast ESD Coating is used as an electrostatic dissipating coating system, 10^6 to 10^8 Ohms.

Note: Not suitable to produce flooring in the 10^4 to 10^6 Ohms range.

Environment & Health

This is a solvent free product but has an odour associated with it, ensure adequate ventilation and/or extraction. 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

Flowfast ESD Coating is produced by mixing 100 parts of Flowfast Light Seal (new) with 12 parts of Flowfast ESD Coating Filler and 3 parts of Flowfast Pigment Powder (ratio 100 : 12 : 3).

Carefully mix the Flowfast ESD Coating Filler and Flowfast Pigment Powder into the Flowfast Light Seal (new) using a slow speed drill and helical spinner, taking care not to entrain air.

Flowfast Catalyst Additions (by weight of Flowfast Light Seal (new))

Temperature	Flowfast Catalyst	Pot life (approx.)	Curing time (approx.)
30°C	1%	8 minutes	15 minutes
20°C	2%	15 minutes	30 minutes
10°C	3%	15 minutes	30 minutes
5°C	4%	17 minutes	40 minutes

1g Flowfast Catalyst = 1.57 cm³ (1 cm³ Flowfast Catalyst = 0.64 g)

Add the required amount of catalyst to the fully dispersed Flowfast ESD Coating. Mix with a slow speed drill and helical spinner, taking care not to entrain air. Apply with a high quality fluff-free roller, exceeding the minimum application layer thickness to allow a continuous, unbroken resin film, which ensures full through cure.

It is important to work with freshly mixed material; only mix enough that can be applied within the pot life guidelines given above.

Application temperature

The recommended substrate temperature is 10 - 25°C, but no less than 5°C and to a maximum of 30°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Colour

Suitable Flowfast Pigment Powders : RAL 1011 yellow RAL 3011 green RAL 5002 blue
RAL 6002 green RAL 7030 grey

Solids content

Approx. 100 %

Density

Approx. 1.0 kg/litre.

Storage

Flowfast ESD Coating Filler and Flowfast Pigment Powder, 12 months in unopened pack.
Flowfast Light Seal (new), 6 months in unopened pack. Flashpoint +10°C.
Storage temperature between 5°C and 30°C (out of direct sunlight).
Protect from weather and moisture/contaminant ingress.

Packaging

The product is delivered in the following packs:

Flowfast Light Seal (new)	Flowfast ESD Coating Filler	Flowfast Pigment Powder
25 kg	20 kg	25 kg
180 kg		

Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.