

Flowfresh Multipack ESD MF

Product sheet

Product description

A six-component, solvent-free, anti-static polyurethane concrete screed product, a part of the Flowfresh/Flowcrete Multipack system. Flowfresh ESD MF Filler C, Flowfresh/Flowcrete ESD MF Filler E and Flowfresh/Flowcrete ESD MF Filler F are mixed with Flowfresh/Flowcrete Multipack Base A, Hardener B and Filler D to produce Flowfresh Multipack ESD MF.

The Flowfresh Multipack ESD MF Filler C contains Polygiene, an antimicrobial additive based on silver ion technology.

Uses

Flowfresh Multipack MF is used as an anti-static, heavy duty, hard wearing floor finish with exceptional chemical resistance and a smooth surface.

Environment & Health

Flowfresh/Flowcrete Multipack ESD MF is solvent free but contains some hazardous ingredients. 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.

Mixing

The Base and Hardener components are available pre-weighed and also in bulk format, which may be decanted on site to the prescribed weights. The Filler components are supplied pre-weighed to suit a full unit/mix. Do not split the compound/component as this may jeopardise the end result.

A cooler climate grade hardener (Standard) is optimised for use in application temperatures 10 – 30°C. A warmer climate grade hardener (Tropical) is optimised for use in application temperatures 20 – 40°C. Please ensure that the correct grade of hardener is used for the application conditions.

Pour all of the Base A and Hardener B into a clean, dry mixing bucket. Mix with a slow speed drill and helical spinner for 20 seconds until homogenous. Add the Filler F (fibres) to the container and mix for 20 seconds to ensure that all the fibres are evenly dispersed within the liquid. Transfer to a larger mixing container before adding Filler C and Filler D (immediately after). Ensure that all Fillers are mixed in from the sides of the container and mix for 2 minutes to ensure consistency of colour and ultimate application fluidity. Finally, add Filler E (conductive aggregate) and mix for a further 30 seconds. Mix with a slow speed drill and helical spinner, taking care not to entrain air.

Application temperature

The recommended substrate and material temperature is 15-25°C. Application temperatures lower than 15°C will reduce flow/levelling and result in an inferior finish. 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 24 hrs after application.

Application time/pot life

Ready-mixed product should be used within 10 minutes at a temperature of 20°C. At higher temperatures the application time is shorter.

Curing time (20°C)

Can be overcoated after 16 hours. Maximum overcoat time 24 hours.
Can be walked on after 16 hours. Light traffic after 24 hours. Heavy traffic after 48 hours.
The product achieves a full chemical cure after 7 days.
Do not cover or wash within the first 36 hours of curing.

Colours

See the system data sheet for Flowfresh ESD MF.

Note: Mid Grey (new) is now supplied with **1 kg** pigment packs.
All other standard colours and previous versions of Mid Grey are supplied with 0.5 kg pigment packs.

Finish

Initially the product will produce a matt finish, which will become satin when trafficked.

Density

Flowfresh Multipack ESD MF (A+B+C+D+E+F) Approx. 1.9 kg/litre.

Storage

Storage temperature between 5°C and 40°C. Protect from weather and moisture / contaminant ingress.
Protect from extreme fluctuations in temperature, which could cause condensation in the Filler C bag and result in hardening of the cement component (lumps).
Shelf life is 6 months for ESD MF Filler C and 12 months for all other components in unopened pack, when stored in dry conditions.

Packaging

Flowfresh Multipack ESD MF is delivered in the following packs :-

Unit	Flowfresh/Flowcrete Multipack Base A	Flowfresh/Flowcrete Multipack Hardener B	Flowfresh Multipack ESD MF Filler C	Flowfresh/Flowcrete Multipack Filler D (Colour pack)	Flowfresh/Flowcrete Multipack ESD MF Filler E	Flowfresh/Flowcrete Multipack ESD MF Filler F
For Mid Grey (new) :-						
17.5 kg	2.4 kg (2.4 litres)	2.5 kg (2 litres)	5.65 kg	1.0 kg	5.95 kg	0.005 kg
For all other standard colours :-						
17.0 kg	2.4 kg (2.4 litres)	2.5 kg (2 litres)	5.65 kg	0.5 kg	5.95 kg	0.005 kg

CE Marking – see the Declaration of Performance for details

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.