



Polygiene®

Product Data Sheet | Flowfresh FCUV

Product Description

Flowfresh FCUV is a high performance, UV stable, semi-gloss, antimicrobial treated cementitious urethane floor sealer.

Uses

As a pigmented UV stable urethane cement sealer, applied as a sealer to any Flowfresh cement overlays. Not recommended for use as a thin smooth coating applied to smooth substrates due to the silica sand content in the pigment and filler unless a random sparse texture is acceptable.

Environment & Health

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 data sheets for the individual components.

Ratio of Components

The product is supplied in full units as A + B + C + Pigment Pack. Do not split the components as this may jeopardize the end result. Part B, C and Pigment Pack must be stored dry or clumping of part C is possible and a reduction of active powder content that can produce carbon dioxide gassing pin holes in the cured finish. Do not reseal part B containers that have been contaminated with moisture.

Mixing of Components

Important—follow this mixing sequence to ensure a consistent color tone from mix to mix and have adequate working time: Add Base A to mixing vessel. Add Pigment Pack and mix with drill and jiffy mixer until all the powder is well dispersed for 20 seconds. Add Filler C and mix for 1 minute, ensuring all filler has been fully dispersed. This will require scraping powders from the sides of the mixing pail and remixing until lump free. Finally add Hardener B and mix for 30 seconds.

Flowfresh FCUV should be applied evenly in consistent layer thickness. It is not recommended to apply FCUV thinner than 10 mils or thicker than 30 mils. Spread using a soft rubber squeegee and then back roll using a 3/8" nap roller, quickly followed up with cross rolling using a 1/4" nap roller.

Application Temperature

The recommended substrate temperature is 60 - 80°F, but no less than 50°F.

The temperature of the substrate should exceed the "dew point" by 5°F during application and hardening. Temperatures should not fall below 40°F in the 24 hrs after application.

Working Time/Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 70°F.

At higher temperatures the application time is shorter.

Curing Time (at 70°F, 50% RH)

Tack free after 8 hours, can be over-coated after 8 hours. Maximum overcoat time 24 hours, later over-

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coat requires sanding. Can be walked on after 8 hours. The product is fully hardened after 5 - 7 days.

Good ventilation and the correct humidity are prerequisites to achieve the above drying times.

Ambient humidity should not exceed 85% RH during application and cure.

High humidity in the early stages of cure can result in extended cure times.

Do not cover or wash within the first 24 hours of curing.

Colors

Common Grey, Dark Grey, Red, Cream, Blue, Black, Khaki, Tan, Green, Safety Yellow. (See color chart). Note: When applying at less than 12 mils, it may be necessary to add 2 pigment packs for full opacity.

Reference FlowResin's Technical Data Sheets and Color Chart for more information.

Solids Content

Approx. 100% (by volume)

VOC

< 10g/l

Application Rate

Approximately 290 sq feet per 2.25 gallon unit at 12 mils.

Approximately 180-230 sq feet per 2.25 gallon unit at 16-20 mils as a lock coat for broadcast floors (based on Estes BCM, 30-50 mesh).

*Coverages listed are theoretical, actual coverages may vary based on substrate and site variations.

Density

Component A approx. 0.99 kg/l (8.28 lbs/gal)

Component B approx. 1.16 kg/l (9.63 lbs/gal)

Mixed Approx. 1.32 kg/l (11.0 lbs/gallon)

Storage

6 months in unopened pack. Storage temperature between 50°F and 90°F. Protect from frost.

Packaging

The product is delivered A+B+C+Pigment Pack in the following packs:

Unit	Base A	Hardener B	Pigment Pack	Filler C
2.25 Gallons	7.1 lbs	9.6 lbs	1 lb	6 lbs

Further Information

If you would like additional information, please consult our Technical Advisory Team at the number listed below or visit our website to register your interest in specifying a FlowResin flooring system.

Disclaimer: Any recommendation or suggestion relating to the use of the products made by Key Resin Company, whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

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