



Flowseal UV

Product Sheet

Product Description

Flowseal UV is a 2-component, high gloss, low odor, chemical resistant, UV stable, high solids polyurethane sealer. Available in clear and pigmented.

Uses

As a UV stable, abrasion resistant clear sealer applied as a floor finish to Flowcrete resin systems.

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 datasheets for the individual components.

Ratio of Components

1 part of component A are mixed with 4 parts of component B, by volume.

Mixing of Components

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

Flowseal UV must be distributed evenly in consistent layer thickness, not exceeding 5 mils in smooth applications, to ensure a glossy and bubble-free finish. Use a paint tray, high quality fluff-free roller and finish within five minutes of applying to the floor.

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 3°F during application and hardening.

Temperatures should not fall below 40°F in the 24hrs after application.

Working Time/Pot Life

Ready-mixed product should be used within 30 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 6 hours, can be over-coated after 8 hours.

Maximum overcoat time 12 hours, later over-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 be between 30 and 80% 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 48 hours of curing.

Flowseal HTS - High Wear Option

Addition of 1 unit of High Wear Filler per 2.5 gallon and 1 Flowcrete Universal Color Pack per unit creates a high wear, satin finish.

Colors

Supplied as clear.

Add Flowcrete Universal Color Pack, at one (2.2lb) pack per 2.5 gallons to produce the following colors: Beige, Khaki, Light Gray, Medium Gray, Dark Gray, Green, Brick Red. Blue. (See color chart)

Solids Content

85 - 90% (by volume)

Finish

Gloss

Application Rate

Approximately 400 sq feet per gallon at 4 mils (wet film thickness).

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

VOC

Flowseal UV < 150g/l

Flowseal HTS < 100 g/l

Storage

6 months in unopened pack.

Storage temperature between 65°F and 90°F.

Protect from frost.

Packaging

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

Unit	Base A	Hardener B
2.5 gallons	0.5 gallons	2 gallons

Physical Properties

Property	Result	Test Method
Abrasion Resistance	30 mg weight loss after 1000 cycles	ASTM D4060/CS17 wheels
Pencil Hardness	3H	ASTM D3363
Coefficient of Friction	0.55	ASTM D2047
Elongation at Break	10%	ASTM D638

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 Flowcrete flooring system.

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