



Polygiene®

Product Data Sheet | Flowfresh SR Sealer

Product Description

Flowfresh SR Sealer is a 100% solids, solvent-free, semi-flexible, pigmented, antimicrobial treated urethane sealer for use as a lock coat for Flowfresh broadcast systems, epoxy broadcast systems, or for use as a high-build coating system. High-build coating will have a random texture from the oxide pigment filler sand.

Ratio of Components

The product is supplied in 3 component 1.4 gallon units as A + B + Oxide Pigment Pack. Do not split the components as this may jeopardize curing and/or physical properties.

1. Pre-mix Base A to redisperse any settled filler.
2. Add all of the Oxide Pigment Pack to Base A and mix using a slow speed drill and jiffy mixer for 60 seconds, the pigment must be fully dispersed. Add Hardener B while mixing and mix until homogenous for minimum 2 minutes, scraping around the side of the pail to ensure all residual hardener is thoroughly mixed. Consistent mixing time of batches is important to ensure color consistency.

Application Temperature

The recommended substrate temperature is 50-80°F, but no less than 45°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.

Application Time/Pot Life

Ready-mixed product should be used within 20 minutes at a temperature of 68°F. At higher temperatures the application time is shorter.

Curing Time (at 68°F)

Can be over-coated after 8 hours. Maximum overcoat time 24 hours. The product is fully hardened after 5 - 7 days.

High humidity in the early stages of cure can result in white, matte surfaces (blooming). Do not cover or wash within the first 24 hours of curing.

Colors (Oxide Pigment Packs)

Cream, Tan, Khaki, Red, Black, Common Grey, Dark Gray, Green, Blue, Safety Yellow.

Flowfresh SR Sealer is not color fast and may change color over time (exhibits a yellowing effect).

Color change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in light colors but does not compromise the product's flexibility or chemical resistance characteristics. We have endeavored to adopt colors within the standard range which minimize this change. Reference FlowResin's Oxide Color Chart for more information.

Note: It is NOT recommended to use UPP pigment packs, may cause inconsistencies in final appearance.



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Solids Content

Approx. 100 %

VOC

5 g/l

Application Rate

Typically applied with a flat blade squeegee and back rolled at 100-120 square feet per 1.4 gallon unit (18-22 wet mils) as a lock coat over BCM color quartz, 30 mesh sand, or use notched squeegee when applying as a base coat/sealer direct to prepared concrete for a high build coating system. Application over broadcasted quartz/sand using dip and roll method will yield a more aggressive texture. Coverage rate listed is theoretical, actual coverage rate may vary based on substrate variations. Note: When applied as high-build coating system, it is recommended to lightly broadcast (or broadcast to excess) the basecoat to provide a more consistent texture in the finish, otherwise a random texture will result due to the filler sand in the pigment pack. Note: 30 mesh sand is more angular shaped compared to the more rounded shape of BCM color quartz, this will create a difference in the final texture.

Storage

Storage temperature between 45-90°F.
12 months in unopened packs for Components A and B. Protect from weather and moisture / contaminant ingress.

Packaging

The product is delivered A+B+Pigment in the following 1.4 gallon unit size.

Unit 17 lbs	Base A 12.7 lbs	Hardener B 3.3 lbs	Pigment Pack 1 lb
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Physical Properties

Property	Result	Test Method
Elongation at Break	20%	ASTM D638
Tensile Strength	1,650 psi	ASTM C308
Flexural Strength	2,400 psi	ASTM C580

Further Information

If you would like additional information, please consult our Technical Service 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.

REV 07/05/24 v2.3

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