



## Flowtex Sealer

Flowtex Sealer is a high gloss finish, low viscosity, solvent free polymer system designed for application as a hard wearing surface over concrete.

### Uses

Used to provide protection and enhancement, often as a hard-wearing clear sealer over vinyl flake flooring, coloured quartz or polished concrete. Highly UV resistant coating in internal, behind glass applications.

### 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.



#### Solvent Free & Low Odour

Low viscosity, low odour and solvent free polymer.



#### Resistant

Hard wearing and durable with excellent abrasion and scratch resistance.



#### Application Method

Easy to apply by roller and brush.

### Packaging

The product is supplied in full units.

Base A	22kg	20Ltr
Hardener B	20kg	20Ltr

### Standard Coverage Rates

Per Coat	150-200 grams/m <sup>2</sup>	6-7m <sup>2</sup> /Ltr
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### Curing Times (at 20°C)

Max Overcoating	24 hours
Tack Free	4 - 6 hours
Foot Traffic	24 hours
Vehicular Traffic	48 hours
Full Chemical Cure	7 days
*Full chemical resistance is achieved after 5-7 days.	

### Additional Information

Density	Approx 1.1kg/l (combined)
Film Thickness	150µm per coat
Hardness	50 Shore D
Abrasion Resistance (1000 cycles 1kg Load)	CS-17 µm loss = 39 H22 µm loss = 168
Compressive Strength	> 50 N/mm <sup>2</sup>
Flexural Strength	> 20 N/mm <sup>2</sup>
Tensile Strength	44 MPa 18% Elongation
Bond Strength	> than cohesive strength of concrete
Colour	Clear

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012). Slab on ground concrete must have an effective damp proof membrane in place. Must be free from rising damp.

## Surface Preparation

Either by totally enclosed shot blasting, diamond grinding or scarification. Edges completed by vacuum controlled hand tools. All residues must be removed to provide a dry, dust free open textured surface.

## Storage

<b>Time</b>	12 Months in Unopened Packs. If longer than 12 Months consult Flowcrete.
<b>Temperature</b>	Storage temperature between 5°C and 35°C.
<b>Protection</b>	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

## Mixing

The product is supplied as follows:

<b>Base A</b>	Flowtex Sealer Part A
<b>Hardener B</b>	Flowtex Sealer Hardener B

Mix ratio is 2 Base A to 1 Hardener B. Part A should be thoroughly mixed with a slow speed mixer before decanting. Decant required amount of Base A. Add Hardener B to Base A container. Mix with a slow speed drill and helical spinner head until uniform.

Take care not to entrain air. Transfer mix to forced action mixer and add Filler C. Mix for 90 seconds.

## Application Instructions

Flowtex Sealer should not be specified for external or in direct (not screened by glass) sunlight application. Concrete surfaces should be clean and free of additives, curing agents and contaminants. Prepare by diamond grind, track or light shot blast to provide suitable profile. Cement based substrates should be at least 21 days old before coating. Test for rising damp or back water pressure before application as adhesion failure is likely to occur. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds.

## Solvent

Solvent should not be added to the Flowtex Sealer.

## Application Temperature

The recommended material and substrate temperature is 5 - 30°C, but no less than 5°C. 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 24hrs after application.

## Application / Pot Life

Ready-mixed product should be used within 15-30 minutes at a temperature of 25°C. At higher temperatures (or if left in bucket) the application time is shorter.

## Additional Notes

1. Maximum overcoat time is 24 hours at 25°C.
2. The product has reached full cure after 7 days at 25°C.

3. Flowtex Sealer is not chemically resistant to food acids or hot chicken fat in processing areas.
4. High humidity or drops in temperature in 4°C around the dew point may cause whitening of the surface.
5. It is the applicators responsibility to verify accuracy of colour prior to application. Flowcrete does not bear any responsibility or accept claims for incorrect colour after application of material.
6. This system is not UV stable and will discolour unless otherwise stated.
7. Do not cover or wash within the first 36 hours of curing at 25°C.
8. This system should be installed at 3°C above the dew point.
9. Please ensure application temperature and RH limits are followed.
10. Wind or strong airflow may cause quick curing and drying of the system.
11. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.
12. Direct heat during application of the system can cause flash curing and potential delamination. Ensure you do not apply this system to substrates with temperatures exceeding 35°C.