

## Flowbind LS

### Product sheet

#### Product description

Flowbind LS is a 2-component, polyurethane-based transparent binder with excellent light stability and resistance to early water contact (2 hrs @ 20°C).

#### Uses

Flowbind LS is used as a binder for natural stone aggregates in internal and external applications.

#### Environment & Health

Flowbind LS is a solvent and nonylphenol free product, and practically odourless during application. 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 parts of component A are mixed with 1 part of component B, by weight.

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

Use 8 - 10% mixed binder (A+B) per weight of clean, dry aggregate.

#### Suggested mix design (allowing for drainage):

|                        |                  |
|------------------------|------------------|
| Flowbind LS Base A     | 5kg (5 litres)   |
| Flowbind LS Hardener B | 5kg (4.3 litres) |
| Clean, dry aggregate   | 4 x 25kg         |

Add aggregate to a clean, dry forced action mixer (e.g. Creteangle or Pennine).

Add all of Base A and Hardener B and mix for 2 minutes, ensuring that binder is evenly dispersed onto the aggregate.

The wet slip resistance can be improved by adding 2 kg of kiln dried 52's grade Silica sand per 25 kg bag of decorative aggregate (8 kg based on above mix). Alternatively, a light sand scatter may be cast into the wet surface of the installed screed.

#### Application temperature

The recommended substrate temperature is 15-25°C, but no less than 10°C and to a maximum of 30°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 24 hrs after application.

#### Application time/pot life

Ready-mixed product should be used within 30 minutes at a temperature of 18°C.

At higher temperatures the application time is shorter.

### Curing time (20°C)

Touch dry in 3 hours (6 hours at 10°C).

Can be walked on after 6 hours (12 hours at 10°C).

Full traffic after 24 hours (36 hours at 10°C)

The product is fully hardened after 5-7 days.

Ambient humidity should be between 30 and 80% RH during application and cure.

High humidity in the early stages of cure can result in white, matt surfaces (blooming).

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

### Colours

Transparent

### Solids content

Approx. 100 %

### Finish

Gloss

### Density

Component A approx. 1.0 kg/l.

Component B approx. 1.15 kg/l.

A+B approx. 1.10 kg/l.

### Storage

Base A component: 12 months in unopened pack at a temperature of 5-40°C.

Hardener B component: 6 months in unopened pack at a temperature of 5-40°C.

**Note** Once opened, the hardener is useable for 1-2 days.  
Ensure the container is re-sealed when not in use.

Protect from weather and moisture/contaminant ingress.

### Packaging

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

| Unit    |               | Flowbind LS<br>Base A | Flowbind LS<br>Hardener B |
|---------|---------------|-----------------------|---------------------------|
| 10 kg   | (9.1 litres)  | 5 kg                  | 5 kg                      |
| 50 kg   | (45.5 litres) | 25 kg                 | 25 kg                     |
| 400 kg  | (364 litres)  | 200 kg                | 200 kg                    |
| 2000 kg | (1818 litres) | 1000 kg               | 1000 kg                   |

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