

## Universal Hardener B

Flowcrete Universal Hardener B is a low viscosity modified Polyether amine curing agent for Flowcrete Universal Resin 708. Flowcrete Universal Hardener B provides a high gloss film with good chemical resistance.

### Uses

Is a multipurpose polyether amine curing agent which is used in combination with Flowcrete's auxiliary products including but not limited to, self-smoothing finishes, coving mortars, screeds and coatings.

### 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.



#### Multipurpose:

Can be used in a variety of epoxy resin flooring systems.



#### Advanced Technology:

Formulated using advanced resin technology to provide high performance floor finishes.



#### Easy of Use:

The formulated resin provides excellent application properties.

### Packaging

The product is supplied in full units as a 1 component pack.

|             |        |         |
|-------------|--------|---------|
| Single Pack | 20 kg  | 19 Ltr  |
| IBC         | 950 kg | 905 Ltr |

### Standard Mix Ratios

| General Purpose Resin | Mix Ratio kg | Mix Ratio Ltr |
|-----------------------|--------------|---------------|
| Universal Base A 708  | 2 kg         | 1.8 Ltr       |
| Universal Hardener B  | 1 kg         | 0.95 Ltr      |

### Standard Coverage Rates

|                         |                   |                     |
|-------------------------|-------------------|---------------------|
| Flowshield SL 2mm       | kg/m <sup>2</sup> | m <sup>2</sup> /Ltr |
| Universal Base A 708    | 1.18              | 1.07                |
| Universal Hardener B    | 0.59              | 0.56                |
| Filler C                | 1.76              | 1.1                 |
| Universal CP (Pigment)* | 0.07              | 0.046               |
| Flowshield SL 3mm       | kg/m <sup>2</sup> | m <sup>2</sup> /Ltr |
| Universal Base A 708    | 1.41              | 1.28                |
| Universal Hardener B    | 0.70              | 0.66                |
| Filler C                | 3.18              | 2.0                 |
| Universal CP (Pigment)* | 0.10              | 0.067               |
| Flowtex F1 Mortar       | kg/m <sup>2</sup> | m <sup>2</sup> /Ltr |
| Universal Base A 708    | 2.0               | 1.8                 |
| Universal Hardener B    | 1.0               | 0.95                |
| Filler C                | 30.0              | 19.0                |

\* Light colours may require a higher dose.

### Curing Times (at 20°C)

|                    |          |
|--------------------|----------|
| Min Overcoating    | 8 hours  |
| Max Overcoating    | 24 hours |
| Foot Traffic       | 24 hours |
| Vehicular Traffic  | 72 hours |
| Full Chemical Cure | 7 days   |

\*Full chemical resistance is achieved after 5-7 days.

\*\* Do not cover or wash within the first 36 hours of curing.

## Additional Information

|   |   |
|---|---|
| <b>VOC Content</b>  | 36 g/L *<br>Green Building Council of Australia<br>Green Star Design & As Built V1.2-13.1.1B<br>Green Star Interiors V1.2-12.1.1B |
| *Based on Universal Resin 708 A and Universal Hardener B (W) Combined |   |
| <b>Density</b>  | Approx 1.05 kg/l (combined)   |
| <b>Solids Content</b>   | Approx 100% (by weight)   |
| <b>Finish</b>   | Gloss   |
| <b>Colour</b>   | Refer to Industrial TDS   |

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).

## Mixing

Refer to appropriate system Technical Data Sheet.

## Application Method

Refer to appropriate system Technical Data Sheet.

## 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. |

## Application Temperature

The recommended material and substrate temperature is 15 - 35°C, but no less than 10°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 20 minutes at a temperature of 20°C. At higher temperatures (or if left in bucket) the application time is shorter. Decant mixed product into smaller quantities if applying small/detailed areas.

## Cleaning

Tools and equipment can be cleaned with MEK/Acetone/Xylene. Please refer to SDS when using solvents.

## Additional Notes

1. Please refer to the appropriate product Technical Data Sheet. The Product Data Sheet, Technical Data Sheet and Safety Data Sheet must be read in conjunction with one another.
2. Maximum overcoat time is 24 hours at 20°C.
3. The product has reached full chemical cure after 7 days at 20°C.
4. This system is not UV stable and will discolour unless otherwise stated.
5. This system should have no contact with water for 5 days at 20°C or blooming may occur.
6. This system should be installed at 3°C above the dew point.
7. A low temperature/high humidity environment can cause blooming issues.
8. Please ensure application temperature and RH limits are followed.
9. Wind or strong airflow may cause quick curing and drying of the system.
10. Ensure wind or strong airflow is eliminated during application, however adequate safety ventilation should still be followed.

11. 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.