

Flowcrete 318B

A solvent free thixotropic liquid epoxy adhesive & laminating resin for cold moulding.



Vertical Application:

A non-drip thixotropic epoxy for vertical applications.



Tanks:

Used in the construction of glass reinforced fuel and water tanks.

Technical Profile

NO. OF COMPONENTS	2
MIXING RATIO	2:1 by volume
POT LIFE @ 25°C	20 minutes
SHELF LIFE	12 months
THEORETICAL COVERAGE	1m ² /L @ 1mm
DRY FILM THICKNESS	1mm
APPLICATION TEMP.	Min 12°C Max 30°C
COLOUR	Clear
VISCOSITY @ 25°C	3150 cps
TENSILE STRENGTH	10 - 14mPa
ADHESION TO WOOD	Wood fractures
THINNERS	Epoxy Thinners
CLEANER	W.S.B.C

SPEED OF CURE**	20°C
Touch Dry	2.5 hrs
Full Cure	7 days

RESISTANT TO:

Unaffected by mineral oils and greases, petroleum and diesel fuel.

Excellent resistance to osmosis.

Sea water and distilled water.

**Cure times at temperatures between 0–30°C can be achieved by altering the quantity of catalyst used. For applications falling outside of this temperature range, please contact your local Flowcrete Technical Department.

Preparation

All surfaces to be clean dry and sound and free of any contamination or old coating materials. Vacuum cleaning and wiping with Epoxy Thinners is recommended. Smooth surfaces should be roughened by appropriate means. Teak or other oily timbers to be thoroughly wiped with oil-free acetone.

Application

1. Mix the contents of the two containers together as per the mixing ratio. Immediately transfer mixed components into a clean wide bottomed plastic bowl or tray.
2. If a filled material is required add the filler after mixing of the two components.
3. Apply mixed material to one face, adhered thickly enough to extrude when both faces are mated. These faces to be kept under compression until the adhesive layer has set.
4. Avoid applications under conditions of high relative humidity (above 85%) or when the temperature is less than 2°C above the dew point. Store components in a cool place prior to mixing.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be dry to 75% RH as per BS8204.

Installation Service

The installation should be carried out by an Approved Flowcrete Applicator. For details of our Approved Applicators, contact your regional Flowcrete office. Detailed application instructions are available upon request.

Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained application teams.

Focus on the Floorzone

Flowcrete is a market leader in specialist industrial and commercial flooring. Systems available include: floor screeds, surface damp proof membranes, decorative flooring, seamless terrazzo, car park deck coatings, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Warranty

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.