

## Ivory 318

### G.P. Liquid Structural Epoxy

#### PRODUCT DATA SHEET

##### Description

General purpose, medium viscosity, clear, structural, liquid epoxy.

##### Uses

- Rigid concrete crack injection
- Low Viscosity casting or encapsulating compound
- Mixed with aggregate as mortar for re-pointing concrete spalls and honeycomb, tile grouting, bonding precast concrete items.
- Laminating with glass fibre.

##### Advantages

- Good mechanical properties giving over 90mPa compressive strength of mortar.
- Bond strengths greater than concrete
- Easy to mix and apply
- Long pot life
- Non toxic when cured.

##### Resistance

Resists most common aggressive chemicals, hydrocarbon fuels, oils, solvents and vegetable oils. Resists seawater and distilled water.

##### Preparation

All surfaces to be clean dry and sound in accordance with *Ivory Surface Preparation* specification for the substrate to be bonded.

##### Application

Using volumes strictly in accordance with the given mixing ratio mix the contents of the two containers together with a flat piece of wood or putty knife for 5 minutes.

- Never use a screw driver or round rod for this purpose.
- Apply by notched trowel or roller.

If the mixed material is left in the container it will become unusable within 20 minutes.

##### Caution

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.

##### Properties

No of components:	2
Mixing Ratio,	
Epoxy / activator by volume:	2:1
Pot life @ 25°C:	25 mins
Drying time:	Touch dry 3 - 4 hrs Practical cure 24 hrs Full cure 7 days

Apply by:	Notched trowel or roller
Theoretical Coverage:	1m <sup>2</sup> /ℓ at 1mm thickness
Dry film thickness per coat at 1m <sup>2</sup> /ℓ:	1mm

Application Temperature:	Min 10°C Max 30°C
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Colour:	Clear
Thinners:	Epoxy Thinners
Cleaner:	W.S.B.C.
Shelf Life:	12 months

##### Health and safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheet available from Flowcrete on request and sent with each delivery.

##### Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request