

Ivory 318 Liquid Structural Epoxy

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 matt.

Benefits

- Good mechanical properties giving over 90mPa compressive strength.
- 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.

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.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

No of components	:	2
Mixing Ratio		
Epoxy / activator by volume	:	2:1
Pot life @ 25°C	:	25 minutes
Drying time	:	
Touch dry	:	3 - 4 hrs
Practical cure	:	24 hrs
Full cure	:	7 days
Apply by	:	trowel or roller
Theoretical Coverage	:	
1m ² /ℓ at 1mm thickness		
Dry film thickness per coat at 1m ² /ℓ:		1mm
Application Temperature	:	Min 10°C Max 30°C
Colour	:	Clear
Thinners	:	Epoxy Thinners
Cleaner	:	W.S.B.C.
Shelf Life	:	12 months

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.

Health & 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.