

# MAXBOND 123

## SILICATE CONCRETE SEALER

### About The Product

**Maxbond 123** is a spray applied, bio-chemically modified silicate solution that penetrates deep into concrete and reacts with water and free calcium to form a sub-surface gel barrier that protects concrete against water penetration. The sealer will reactivate the sealing process whenever moisture is present to seal new hairline cracks and capillaries. This chemical process also improves surface hardness and resistance to abrasion and chemicals.

### Design Features

- Lifetime permanent solution
- UV resistant and will not peel, scratch, wear-off or dry-out
- Seals existing and new cracks up to 2mm wide
- Trafficable within 6 hours from installation
- Does not affect bond of subsequent materials due to sub surface nature
- Protects concrete from aggressive chemicals and abrasion
- Non-toxic and suitable for use with potable water

### It's Uses

- Bridge and driveways
- Carparks
- Concrete tanks
- Concrete roofs
- Balcony and terrace decks
- Toilets and wet areas
- Stadium and platforms
- All exposed concrete structures

### Performance Data

Test	Value*
Specific Gravity	1.20 – 1.25
Viscosity	<100cps
Water Absorption	1.1% (m/m)
Water Penetration	<5mm
Abrasion Resistance	6 MOH scale
Color	Colorless to Tinted

### Site Requirements

Concrete must be of sound quality and at least 14 days old.

Surface must be free from coating, sealers and other foreign substance that may prevent or reduce the penetration of Maxbond 123.

Old and worn concrete surface may require a calcium treatment to reinstated free calcium.

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### Surface Preparation

Rout out voids, honeycombs and segregation to expose sound concrete.

Substrate must be clean and completely dry.

Protect all metal, glass and painted surface.

### The Installation

Stir Maxbond 123 prior to application with brush, roller or low pressure spray.

Apply at a rate of 0.2 liter per m<sup>2</sup>, ensuring substrate is visibly wet with solution.

Fill all cracks and routed areas with sealer solution.

When surface becomes touch dry, flood spray the area with water.

Commence flood spray on the 6th hour even when the sealer does not dry out.

Area can be open to traffic after the flooding and routed voids can be patched.

Flood spray the area at least once a day for the next 2 days.

### Limitations

Do not use in extremely windy conditions or in temperatures below 5°C or above 40°C.

Not suitable for sealing structural cracks or negative side waterproofing.

Will not seal construction joints, cold joints and non-concrete interface. The use of swellable waterstop or a liquid applied membrane to seal these joints can be considered.

### Packaging

20 Liter Pail

### Storage & Shelf Life

Keep indoors at room temperature away from direct sunlight. Do not allow to freeze.

No limit on shelf life if stored under proper condition in sealed original packaging.

### Health & Safety

Prevent contact with skin and wear waterproof gloves and goggles when handling. Upon contact with skin, wash with soap and water. In case of eye contact, flush with water and seek medical attention immediately.

Non-toxic and non-flammable.

Note The information in this publication is given in good faith and is based on our current knowledge and experience.

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All information herein is effective from the date of issue and supersedes all previous editions.

\* Values are typical and not meant as performance benchmark.