

# CreteBond Datasheet

August 2019

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A non-toxic polymer emulsion admixture for cement plasters, screeds and concrete. Unaffected by water and exposure to ultraviolet light.

## Technical Data

Type	Non-hazardous polymer-based resin
Colour	Milky white liquid
Bonding time	± 1 hour
pH	7
Ambient temperature	Avoid extreme temperatures and store above 5°C
Boiling point	100°C
Density	± 1kg/litre
Other properties	UV stable. Can use as an additive to restrict permeability
Properties	Open drums will skin Stable when mixed with cement
Safety	See MSDS

## Purpose

**CreteBond** replaces some of the water in cement mixtures to improve adhesion, abrasion resistance, waterproofing and substrate permeability.

## Advantages

- Eliminates hacking
- Can be diluted with water
- Lime fast
- Compatible with cement
- Non-flammable
- Adheres to concrete, brick, tiles, cement plaster and stone

## Limitations

- Does not bond to plastic, rubber or gypsum plaster
- Cannot be used in freezing weather (below 5°C)
- Priming or bonding coats are not recommended without the addition of cement for permanently damp conditions

## Applications

Can be used for floor underlayments, terrazzo, precast products, cement screeds and bridge deck repairs etc.

- Promotes abrasion and chemical resistance of residential, industrial and agricultural floors
- Promotes adhesion and water-proofing of ceramic tile adhesives and grouts
- Promotes adhesion, weatherability and waterproofing of cementitious coatings
- Promotes bonding and weatherability of repair mortars

## Note

Cemcrete **CreteBond** and FlexBond can be interchanged in many applications where the superior UV tolerance of **CreteBond** is required. **CreteBond** and FlexBond can not be mixed.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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## Site Work

### Storage

Store in closed container in a dry cool area away from direct sunlight. Protect from exposure to temperature above 35°C and from freezing. Use within 12 months of purchase.

### Surface Preparation

Ensure surfaces are sound, clean and free from dust and other contaminants that may impair bond.

### Weather

Protect from rain, water and direct sun until cement application has set. **CreteBond** must be applied at temperatures between 5°C and 35°C.

### Mixing

#### Waterproofing slurry

Mix **CreteBond** and water in a 1:1 ratio. Add to Ordinary Portland Cement while stirring the mixture until a creamy paintable consistency is achieved. Allow a few hours between coats should more than one coat be required.

#### Bonding Slurry

Mix **CreteBond** and water in a ratio of 1 part **CreteBond** to 2 parts water and add this blend to a sufficient quantity of a mix made up of 1 part Ordinary Portland Cement and 1 part plaster sand to achieve a paintable slurry.

#### Additives for plasters, screeds, terrazzo, concrete, underlayments and coatings

Mix 1 part **CreteBond** with 3 parts water and use this mixture as the gauging liquid instead of plain water.

### Application

Follow the manufacturers instructions for all proprietary cement coatings and flooring products. Ensure that the surface is suitable. Dampen the surface with clean water so that it is wet but not glistening. Mop up any puddles on horizontal surfaces. Mix the product to be applied using **CreteBond** as detailed above. Apply with a brush, broom or squeegee. Protect from rain, water and sun for 24 hours. **CreteBond** slurries can be used in conjunction with CemForce, CemLam and Cemcrete Polypropylene Membrane.

### Cleaning

For intermittent use keep brushes immersed in water. Wash all equipment and body parts thoroughly with clean water. Collect excess spills with suitable absorbent material and then wash with clean water.

### Safety

- Skin contact: Wash immediately with soap and water.
- Eye contact: Flush immediately with water for 10 – 15 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician.
- Not for internal consumption.

### Packaging

**CreteBond** is supplied in concentrated form packaged in 1, 5 & 20 litre containers.

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## Manufacturer's Warranty

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Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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