

CRETEBOND

PREMIUM GRADE PVA BONDING AGENT and Admixture

DESCRIPTION

CreteBond is a versatile polymer emulsion used for a wide range of applications in general construction and around the home.

CreteBond is supplied as a high solids emulsion that can be diluted with specified volumes of water to suit particular applications in construction. CreteBond is used as a bonding agent for new to old concrete and as an admixture to improve adhesive and cohesive properties for site mixed mortars, renders and toppings.

In addition, CreteBond is an excellent woodworking adhesive when used neat, as supplied.

CreteBond is suitable for use on concrete, concrete block, hard plaster, compressed fibre cement sheet, plasterboard and timber.

TYPICAL APPLICATIONS

- Bonding new to old concrete
- Bonding render and hard plaster
- Sealing internal concrete and masonry surfaces
- Admixture for improving the properties of mortar, render and concrete
- Woodworking adhesive

ADVANTAGES

- High solids content (50%)
- Interior or exterior use
- Water based
- Concentrated formula
- Versatile range of applications

TYPICAL PROPERTIES	
Appearance	White liquid
Viscosity (Brookfield Spindle 4/20/25)	4500 – 5500 cPs
Total solids content	49 – 51%
Specific Gravity	1.06 ±.01

APPLICATION INSTRUCTIONS

Surface Preparation

All contacted surfaces must be clean and free any contaminants, wax or resin based curing compounds, oil or grease. All loose or friable material must be removed. Damaged concrete surfaces should be repaired (refer Patch Repair Mortar section below)

Typical Formulations

Bonding New to Old Concrete

Apply a seal coat (1 part CreteBond to 4 parts water) to existing concrete. Allow to dry.

Apply a prime coat (1 part CreteBond to 1 part water) and place concrete topping while the prime coat is still tacky. Concrete bond and other properties can be improved by using gauging fluid comprising 1 part CreteBond to 1.5 parts water.

Cement Render/Hard Plaster

Apply a seal coat (1 part CreteBond to 4 parts water). Allow to dry.

Apply a prime coat (1 part CreteBond to 1 part water) and apply render/hard plaster while prime coat is still tacky. Render can be improved by using gauging fluid comprising 1 part CreteBond to 1.5 parts water.

Patch Repair Mortar

Add 1 part CreteBond to 1.5 parts water as the gauging fluid. This will increase the strength and bond of patch repair or tiling mortars. Use a seal coat (1 part CreteBond to 4 parts water) to seal the concrete surface prior to application of the patch repair.

Sealer Coat

CreteBond can be used as a sealer for internal concrete floors to help resistance to penetration by oil and grease. Mix 1 part CreteBond to 4 parts water. Apply to the concrete surface at the rate of 4 – 6 m² per litre (2 coats recommended)

Curing Membrane

CreteBond can be used as a low efficiency curing compound to help slow loss of water from the concrete or render surface. Mix 1 part CreteBond to 4 parts water and apply to the concrete or render surface at the rate of 5m² per litre.

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Woodworking Adhesive

Use CreteBond neat, (undiluted) as a general purpose woodworking glue. Components should be assembled within 15 minutes of application. Pressing times of at least 30 minutes should be used. Full strength is gained after about 24 hours.

CLEAN UP

CreteBond can be removed from contact surfaces or application equipment using water while CreteBond is still wet. If CreteBond has dried, it will need to be removed mechanically.

ESTIMATING

The model formulations described above give a guide to volume requirements for sealer/primer coats and for admixtures.

When CreteBond based primer/sealer coats are used, they would normally be applied at a rate of 6 – 8 m² per litre of mixed material. Actual coverage achieved will vary according to the surface texture and porosity of the substrate.

When used as a curing compound, mixed CreteBond is applied at the rate of 5m² per litre.

CreteBond is supplied in 5 litre, jerry can type bottles and in 20 litre cubes.

PRECAUTIONS

Do not use CreteBond in wet areas or areas where prolonged contact with water is likely.

Do not use CreteBond on plastic materials, rubber or glass. (CreteBond can be used on expanded polystyrene)

Do not use CreteBond when temperatures are below 10°C. CreteBond or mortars containing CreteBond should not be used where temperatures exceed 35° C. If this is unavoidable, contact ITLS technical services for advice.

STORAGE

CreteBond should be stored in the original unopened containers in a dry place protected from the effects of weather. CreteBond should be used within 12 months of date of manufacture.

Do not store CreteBond below freezing point.

HEALTH AND SAFETY

CreteBond is not flammable and is non-toxic. However, we recommend avoiding contact with skin and eyes.

If swallowed, do not induce vomiting – give a glass water and seek medical advice.

If in eyes, hold open and flush with water for 15 minutes. If irritation persists, seek medical advice.

For more detailed information, please read the MSDS for this product.



Product:	CRETEBOND
Issue Date:	NOV 2017
Issue No:	DO2

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