

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.

(Note: Gauging fluid mix can be varied to suit local or project needs up to as much as 1 part CreteBond to 10 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.

(Note: Gauging fluid mix can be varied to suit local or project needs up to as much as 1 part CreteBond to 10 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.

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.

TECHNICAL SUPPORT

ITLS manufactures a comprehensive range of high quality, high performance construction products. In addition, ITLS offers technical support and on-site advice to specifiers, end users and contractors.

Please contact your ITLS sales representative or ITLS Head Office for this service

ALLIED PRODUCTS

ITLS manufactures a broad range of products under the Aftek brand, which are used in the construction industry and in manufacturing, including:

- Grouts
- Coatings
- Admixtures
- Adhesives
- Sealants
- Floor Toppings
- Floor Levelling Compounds
- Concrete Repair
- Concrete Curing

The information and any recommendations relating to the application and end-use of all ITLS products are provided in good faith based on ITLS's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by ITLS. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.
PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



For Further Information

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