

## SPECIFICATION DATA SHEET

# ACRYLBOND

ACRYLIC WATER RESISTANT MODIFIER AND BONDING AGENT FOR CONCRETE, MORTAR, PLASTER, REPAIRS & FLOOR TOPPINGS.



### USES:

For improving and bonding floor toppings, plasters and mortars, repairs of worn, damaged or spalled concrete, floor screeds, toppings and concrete repair systems. Ideal for use in outside applications subject to continual presence of water.

### ADVANTAGES:

- Ready to use from the container.
- Provides excellent adhesion to concrete, masonry, plaster, cement fibre board and most surfaces.
- Greatly improves tensile, compressive and flexural properties allowing thin section application of concrete, mortar, floor toppings etc.
- Excellent bond achieved even several hours after application.
- Is not affected by water in exterior situations.
- Improves abrasion resistance and durability.
- Chemical resistance is improved.
- Improves mobility and performance while reducing shrinkage.
- Non-toxic (can be used in contact with potable water).

### TECHNICAL DATA:

Appearance – white, milky liquid.

Solids content – 46% to 48%.

PH – 9.5 to 10.

Specific gravity – 1.059.

Freeze/thaw stability – 5 cycles.

Minimum film formation temperature – 10 to 12°C .

Solubility – excellent, can be mixed with water easily.

Toxicity – non-toxic.

### TYPICAL APPLICATION:

In all applications it is important to ensure that the substrate surface is clean and free from dust and loose material. Old paint should be removed, as should oil, grease, wax, curing compounds and surface laitence etc. A primer coat will ensure maximum adhesion. The surface should be predampened with water, with any excess brushed off. Scrub undiluted ACRYLBOND into the surface avoiding puddling. The mortar, topping, plaster should be applied while the primer is still tacky for optimum results.

### COVERAGE:

**Primer:** 12m<sup>2</sup> to 16m<sup>2</sup> per litre. Coverage is dependent on the roughness and porosity of the existing surface.

**Slurry Coat:** A typical mix design for floor topping or patch repairing is 1 cement, 2 to 3 clean dry sand with ACRYLBOND, at the rate of 5 litres per 40kg bag of cement, added to the mixing water.

For more difficult situations, such as permanent dampness, very dense floors etc. a slurry coat of the dry mix with a 1:1 mixture of ACRYLBOND

and water, added to give a brushable slurry, should be applied firmly onto the surface with a brush or stiff broom and allowed to achieve initial set before the topping, mortar etc. is applied.

### STORAGE:

ACRYLBOND has a shelf life of 12 months minimum when unopened in original containers.

### PACKAGING:

1 litre, 2.5 litre, 5 litre, 20 litre (plastic pail or jerry can) and 210 litre drum.

### CURING

As with all concrete repair, new repairs should be protected from wind, rain or direct sunlight using wet hessian or plastic sheeting until cured.

### MATERIALS

- It is important to use clean, washed and graded silica sand for ACRYLBOND modified mortars.
- Cement should always be fresh and dry.
- All expansion joints and shrinkage control joints are to be reflected through the new repair mortar. Failure to follow these joints through could lead to cracking and subsequent failure.

### CAUTION:

ACRYLBOND is not to be used in areas subject to constant immersion.

### PRECAUTIONS:

ACRYLBOND is non-flammable. If splashed into the eyes irrigate with clean water and seek medical attention.

If ingested, again seek medical attention. Because ACRYLBOND is slightly alkaline, skin contact should be avoided. Gloves and protective clothing should be worn.

### IMPORTANT – AGITATE WELL BEFORE USE

### DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only.

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