

**FORMULATORS, MANUFACTURERS AND CONSULTANTS OF  
SPECIAL CONCRETE PRODUCTS**

Newton's Farm Estate, Wissington, Nayland, Suffolk.CO6 4LX, England

Telephone: 01206 265116 Facsimile: 01206 265117

Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk) Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)ROCKBOND ACRYLIC ADHESIVEDESCRIPTION:

ROCKBOND ACRYLIC ADHESIVE (RB AA) is a two part bonding compound consisting of a cementitious dry pack and an acrylic resin latex. ROCKBOND ACRYLIC ADHESIVE DRY PACK (RB AA DP) contains a blend of special cement powders, alkali resistant glass fibres and compatible admixtures. When the dry pack is mixed with the ROCKBOND ACRYLIC RESIN LATEX (RB ARL), a semi flowing, fibre reinforced, acrylic modified, cementitious paste is produced which has been specially designed for bonding together of all types of construction materials, concrete, masonry, brick, stone, steel, plastic, wood and glass. The adhesive is also used to waterproof and smooth uneven and porous surfaces and to protect concrete, brick and stone from chemical attack. The product is ready to use, is supplied in 3kg/2 litre and 15kg/10 litre packs and has a shelf life of two years.

SPECIAL PROPERTIES:

- \* Available in white, and also in a range of colours to colour match construction materials.
- \* Quickly and easily mixed, brushed, worked and placed for ease of application and contact.
- \* Can be used to bond wet or precast concrete to steel and other building materials.
- \* Permanent bond to concrete, masonry, brick, stone, steel, plastic, wood and glass.
- \* Impermeable, waterproof, weatherproof, damp proof and resistant to chemical attack.
- \* Water based: mixing equipment and tools are easily washed and cleaned with water.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use

USES:

- + To stick concrete to concrete, masonry, brick, stone, steel, plastic, wood and glass.
- + To prime and enhance the bond between construction materials.
- + To fill and point joints, gaps, cracks and cavities in concrete, brick, blocks, terrazzo and tiles.
- + To repair, paint and protect weak, porous and damaged concrete and cementitious surfaces.
- + To bond wet concrete to cast concrete, masonry, brick, stone and steel.
- + For use as a wall and floor adhesive to bond tiles to concrete, masonry, brick and stone.
- + For use as a general purpose adhesive during building and construction.
- + To cover and waterproof, weatherproof and damp proof various weak and porous surfaces.
- + To protect concrete against acid gases, carbonation, sulphation, nitration, frost, ozone, aqueous solutions, chlorine, chloride, seawater and waste water.

MIXING INSTRUCTIONS:

ROCKBOND ACRYLIC ADHESIVE DRY PACK is mixed with ROCKBOND ACRYLIC RESIN LATEX using a spatula, scraper or paint brush:

Pour the dry pack onto the acrylic resin latex while mixing slowly.  
(Latex/powder ratio 50%). Gently mix until homogeneous.  
The adhesive is now ready for use.

Alternatively, small amounts of the adhesive can be prepared by slowly adding the powder to a quantity of latex in a suitable container and mixing to achieve the required consistency. Add less powder to the latex to give a flowing grout or add more powder to the latex to give a thick paste.

## ROCKBOND ACRYLIC ADHESIVE CONTINUED..

### APPLICATION PROCEDURE:

Ensure that all surfaces with which the adhesive comes into contact with are clean and dust free. A strong substrate free of contamination and free all weak material will enhance a good bond.

Method Statement Guide to bond construction materials to concrete: add and mix the Acrylic Adhesive Dry Pack with the Acrylic Resin Latex; brush apply a 1mm coat of the mixed adhesive completely and evenly over the concrete bonding surface; brush apply a 1mm coat completely and evenly over the construction material surface to be bonded (100% contact is 100% bond). Place and position the two surfaces together, wet on wet; clamp or fix both parts in close contact while the material develops adhesive strength. If possible, spread and smooth surplus adhesive squeezed out of the joint over the face of adjacent pieces. Follow this procedure to bond together other construction elements.

The spread rate will depend on the surface texture of the substrate: rough surfaces will require more adhesive and smooth surfaces will require less.

### TECHNICAL DATA:

TYPICAL DATA at 50% water/latex ratio at 20°C

CONSISTENCY:	Good Paint Consistency
CONSISTENCY LIFE:	20 minutes
INITIAL CURE	24 hours at 20°C

TENSILE BOND STRENGTH TO CONCRETE:	4.5N/mm <sup>2</sup>
TENSILE BOND STRENGTH TO STEEL	5.2N/mm <sup>2</sup>

YIELD: 3kg pack of Acrylic Adhesive yields 2 litres of Acrylic Adhesive.  
3kg pack covers 2m<sup>2</sup> of bonding surface at 1mm thick.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND ACRYLIC ADHESIVE DRY PACK AND ACRYLIC RESIN LATEX are non toxic and safe to use. However, use the same precautions as with any cementitious powder and liquid: wear goggles, protective clothing and a dust mask while mixing and applying the material. Consult the relevant MSDS for details. Store in a cool, dry, dark place.

### FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

Gilbert Cox BSc,  
Technical Director,  
Rockbond SCP Ltd.,  
Newton's Farm Estate,  
Wissington, Nayland,  
Suffolk, CO6 4LX, England.

Telephone: 01206 265116,  
Facsimile: 01206 265117

**Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk)**  
**Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)**

### IMPORTANT NOTE:

ROCKBOND SCP LTD provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

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