

# Technical Data Sheet - TDS



## CHEMCON

## RocBond AR

Single component acrylic bonding agent and Primer

### PRODUCT DESCRIPTION

**RocBond AR** is a single component, high quality special acrylic emulsion primer based bonding agent. It has excellent adhesion to the surface and has good penetrating property. It is formulated and designed for use as a bonding and curing agent for use with cementitious systems especially RocBuild Mortars such as RocBuild HS. It provides an excellent base for subsequent coats.

### FIELDS OF APPLICATION

**RocBond AR** may be used with many construction materials to provide improved adhesion. Typical substrates will be concrete, masonry, stonework, plaster etc.

**RocBond AR** is used for bonding of repair mortars, new concrete to old concrete. As an alkali resistant penetrating primer for interior/exterior surfaces such as cement plasters, concrete and brick works, wood, asbestos, gypsum etc.

Recommended primer for use with all **RocBuild** repair mortars. Its tenacious grab makes it ideal for overhead and vertical applications. It can also be used as a curing aid; in this case application must take place immediately upon finishing and the area must be fully protected from rapid drying out.

- ▶ Single component, supplied ready for use.
- ▶ Brush applied either as a primer or as a curing aid.
- ▶ Tenacious bond to dry and damp substrates.
- ▶ As an admixture for improving the mechanical properties of cementitious mixes.
- ▶ Suitable for use in internal and external applications.
- ▶ As a Primer for Acrylic sealant

### TYPICAL PROPERTIES

Composition:	Single pack.
Toxicity:	Non toxic
Form	liquid
Specific gravity ASTM D1475	1.03 ±0.03gm/cc
Compressive strength BS 6319-2	> 10-15% than control
Flexural strength BS 6319-3	> 5-10% than control

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Tensile strength BS 6319-7	> 5-10% than control
Tensile bond Strength ASTM C932	> 1 N/mm <sup>2</sup>
Bond strength ASTM C1042	> 8.0 N/mm <sup>2</sup>

## DIRECTIONS FOR APPLICATION

**Surface Preparation:** Ensure surfaces are clean, dry and free from dust, dirt, oil, grease, laitance etc..

All perimeter edges must be saw-cut to ensure a minimum depth of repair mortar and to avoid feather edges. Expose fully all corroded steel in the areas to be repaired. Remove loose scale and corrosion deposits. Grit-blast to clean the steel to SA 2½, ensure the back of the steel is clean..

**Rebar Priming:** Steel reinforcement should be coated with **RocBuild ZP**. Ensure full coverage and no pinholes. Extra caution is required around laps and the back of the steel. Allow to dry

**Concrete Priming:** The cleaned substrate must be fully soaked with clean water prior to priming. The ideal condition is saturated surface dry (SSD). Brush RocBond AR well into the concrete surface; ensure complete coverage but no ponding. Use as supplied and do not dilute with water.

Apply the repair mortar or screed whilst the primer is still tacky. If the primer becomes dry reapply as directed above. Curing Aid: When used for curing TufBond AR can be brush or spray applied. Always cover repaired areas to protect from drying winds and excessive heat. In extreme conditions water ponding will also be required.

RocBond AR can be used as a mortar admixture and suitable repair mortar can be prepared following the mix design below.

OPC.	50 kg.
Zone 2 sand.	150 kg.
RocBondAR.	10 litres
Water	As required for consistency.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

### Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer? Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and CIL makes no claim that these tests or any other tests, accurately represent all environments.

## COVERAGE RATES

Consumption rates vary according to the application:

As a curing aid:	4-5 m <sup>2</sup> per litre.
As a bonding agent:	5-6 m <sup>2</sup> per litre.
As an admixture:	10litres/ 50 kg OPC.

## PACKAGING & STORAGE

**RocBond AR** is packed in 5 litre units. Store in shaded areas away from direct sunlight. Shelf life will be 12 months when stored in temperatures below 30oC.

## HEALTH & SAFETY

As with all **CIL** chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

## OTHER BONDING AGENTS AND TILING PRODUCTS AVAILABLE FROM CIL.

### FROM CIL.

- ▶ **RocBuild EL**--High build epoxy lining for chemical & abrasion resistance Applications
- ▶ **RocBuild MC**--Shrinkage compensated, polymer modified, micro concrete
- ▶ **RocBuild TG** --Single component , hot climates ,concrete and masonry Reinstatement Repair mortar
- ▶ **RocCoat NT** --Non-toxic, epoxy resin coating for potable water applications
- ▶ **RocBuild HL**--Lightweight High Build Cementations' repair mortar
- ▶ **RocBuild NF**--Multi purpose, non slump adhesive & repair putty
- ▶ **RocBuild ZP** --Single component, epoxy zinc primer for steel
- ▶ **RocCoat PE** --Solvent free pitch extended epoxy resin protective coating
- ▶ **RocBuild FC**--Single component, polymer Modified fairing coat
- ▶ **RocBuildHS**--Shrinkage compensated,High Strength, Fibre Reinforced, Structural Repair mortar

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