

RocBond AR

Single component acrylic bonding agent for use with RocBuild repair mortars

PRODUCT DESCRIPTION

RocBond AR is a single component, acrylic polymer-based bonding agent. 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.

RocBondAR is supplied ready for use exhibits excellent grab and develops a tenacious bond between the repair mortar and the existing concrete.

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. 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

ADVANTAGES

- ▶ 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.

ADVANTAGES

RocBond AR is packed in 5-liter units. Store in shaded areas away from direct sunlight.

Shelf life will be 12 months when stored in temperatures below 30oC.

TYPICAL PROPERTIES

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

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 RocBond 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. TufBondAR.10 liters

Water as required for consistency.

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.

OUR PRODUCT RANGE

RocBond GP- General Purpose priming adhesive for epoxy overlays and toppings.

RocBond EP- Epoxy bonding agent for concrete repairs & bonding new concrete to existing concrete.

RocFloorEP Primer- Epoxy sealer and bonding agent for concrete floors.

CILTILE GROUT EG- chemically resistant epoxy tile grout and joint filler

CIL Tile Grout- water resistant, polymer modified cement-based grout.

CIL Wall Tile Adhesive (WTA)- acrylic modified ready mixed wall tile adhesive paste

CIL Tile Latex- rubber latex admixture for enhancing the physical properties of cement-based mortars.

COVERAGE RATES

Consumption rates vary according to the application:

As a curing aid: 4-5 m² per liter.

As a bonding agent: 5-6 m² per liter.

As an admixture: 10 litres / 50 kg OPC.

CLEANING

Clean tools and equipment immediately after use with water. Once cured RocBond AR can only be removed by mechanical methods.

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 or Products representative or visit our website for current technical data and instructions.

Disclaimer

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