ACPL

RCONBOND

Waterproofing | Tile Adhesive
Grouts | Repair Restoration
Fly Ash Bricks | Paver Blocks
Clay Bricks | Admixtures

Introduction

Anira Chemicals Pvt. Ltd.

ACPL is a young manufacturer of wide range of Construction chemicals and allied products. At ACPL, we aim at delivering high quality goods and Providing impeccable services. We are a technologically Driven company and excel in providing customized/ tailor Made solutions for our customers to suit their specific requirements. Equipped with highly qualified technical team, working for continuous innovation and delivering unmatched services, we have achieved meritorious growth in a very short time. We are an eco-friendly company give highest priority to safety, health and environment management by adhering to strict procedures at all times. At ACPL , we believe in adding value to our customers, business partners & employees and creating landmarks for them & our selves in terms of growth and achievements.

RCONBOND

RCONBOND is a single component chloride free Integral Waterproofing Liquid admixture for concrete and mortar to minimize the shrinkage cracks, permeability and increase the waterproofing properties of concrete and mortar.

Uses

For Waterproofing of concrete at

- Roof slabs.
- Water tanks.
- Plasters, etc.

Features And Benefits

- Improves work ability.
- High reduction in permeability.
- Reduces shrinkage cracks.
- Chloride free, hence doesn't affect concrete.
- Increases cohesiveness of concrete & mortars.

Application Methodology

- **Mortar**
  RCONBOND is recommended for use in all sand/Cement Mortars where it is required to reduce permeability to a minimum.
- **Concrete**
  RCONBOND is recommended for all general mass concrete work here, the risk of porosity and permeability must be minimized.
- **Instruction for Use**
  RCONBOND should be mixed with gauging water or can be added to concrete during the process of mixing. The mixing should be continued for at least one to two minutes after the addition of RCONBOND The gauging should be properly adjusted taking into account the water reduction brought about due to the presence of RCONBONDThe exact quantity of RCONBOND to be admixed in production of water proof concrete conformed to particular standards is best determined by conducting preliminary site trials.
- **Dosage**
  RCONBOND normal recommended dosage is 200-250 ml per bag of cement.
- **Effect of Over Dosing**
  An over dose of Double the intended amount of RCONBONDwill result in an increase in retardation as compared to that normally obtained at the intended dosage. This effect is found in most of the waterproof admixtures only the degree may vary. Overdose may also cause increased air entrainment, which will tend to reduce strength.

Storage and Shelf Life

Use immediately once opened in 12 months when stored in cool dry place in dry condition and away from direct sunlight in original unopened pack.

Packaging

500ml, 1, 5, 10,20 & 100 Lit Packs.

Anira Chemicals Pvt. Ltd.

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Note : Application Methodology and more information kindly Contact Company Representative

RCONSBR LATEX

RCONSBR LATEX is a single component product based on modified SBR latex, designed for using as a ready to use bonding agent and cement modifier. It is used as an admixture for obtaining waterproof concrete, plasters and mortars. Also, meets the requirements of ASTM C 190-1985 standard.

Uses

- Concrete repairs – Spalled concrete of floors,columns, beams, chajja, slabs, parapets etc.
- Waterproofing – Small roof terraces, sunken portions of toilets & bathrooms, chajja & balconies.
- Bond coat – bonding of masonry stone work & plastering.
- Cladding – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding
- External rendering –Weatherproof & frost resistant render.

Features And Benefits

- Multipurpose liquid, easy to use.
- Prevents cracking by improving flexural strength.
- Reduces drying and aging shrinkage cracks.
- Bonds strongly to concrete, masonry, plasters, cementitious surfaces.
- Useful as a bonding agent between old and new concrete surfaces.
- Excellent impermeability & durability in cement mortar.

Application Methodology

- **Use as Water Proofing Coating**

For a water proofing coating, mix RCONSBR LATEX and Cement in the ratio of 1:2 by weight. Mix for 2-3 mins to avoid air entrapment. Gradually add cement to RCONSBR LATEX until a homogeneous brushable consistency is attained. Apply this mixture by brush in two coats (vertical and horizontal direction) in a time interval of 4-6 hours. Provide the protective screed to the desired slope & thickness.

- **Use as Repair Mortar modifier:**

A Suitable Mix Ratio For Patching Repair Mortar Is As Follows:
Mix design :
Cement 50 Kg, Washed sand 150 Kg,
RCONSBR LATEX : 6-7 Kg, Water 10 Ltr.

- **Use as Bonding Primer**

For a bonding primer coat mix RCONSBR LATEX Cement in the ratio of 1:1 by weight. Apply 1 continuous coat by brush of the mix on the prepared concrete surface. Apply repair mortar when the Primer is in tacky or wet on wet condition.

Technical Data

Appearance	Milky White, translucent free flowing liquid
Type	SBR Latex
pH @ 27ºC	Min 7.5 to 8.5
Specific Gravity @ 27ºC	1.01 ± 0.01 Kg/Liter

Storage and Shelf Life

Store in Shelf Life-24 months from date of manufacturing.

Packaging

1, 5, 10, 20, 50 &100 Lit Pack

RCONCRETE

RCONCRETE is acrylic emulsion based, used as a cement modifier when applied, provides good bond with masonry/ cement and thus improves the tensile and flexural strength properties of the mortar.

Uses

- **Waterproofing of**

Small roof terraces, chajjas, parapets & balconies. Sunken portions of toilets & bathrooms, chajjas, masonry surfaces, kitchen, sewers, residential water tanks etc. Repair wall. Durable and aesthetic exterior finish with cement paint.

Features And Benefits

- Multipurpose liquid, easy to use.
- Breathable, allows trapped vapour to escape.
- Improves flexural strength.
- Reduces cracking through increased mortar flexural strength.
- Bonds strongly to concrete, masonry, plasters, cementitious surfaces.
- Excellent impermeability & durability in cement mortar.

Application Methodology

- **Use as Water Proofing Coating**

For a water proofing coating, mix RCONCRETE and Cement in the ratio of 1:1 by weight. Mix for 2-3 mins to avoid air entrapment. Gradually add cement to RCONCRETE until a homogeneous brushable consistency is attained. Apply this mixture by brush in two coats (vertical and horizontal direction) in a time interval of 4-6 hours. Apply 1st coat and allow it to dry for approximately 5 hours. Apply 2nd coat and allow it to air cure for at least 3 days. Protect the coating with a mortar screed of 15-25mm thick from damage.
Plaster over Vertical surfaces shall be done when the 2nd coat is tacky to ensure better bond with the surface.

- **Use as Bonding Agent**

Clean the surface thoroughly of its loose concrete, dust etc. and pre-wet with water to a SSD (Saturated Surface Dry) condition. Ensure that there is no standing water. For a Bond Coat, mix RCONCRETE and Cement in the ratio of 1:1 by weight. Brush apply a single coat over the clean surface, allow this coat to become tacky and then apply fresh concrete/mortar. If bond coat is dried, apply another to ensure effective bonding.

- **Use as Repair Mortar modifier**

A suitable mix ratio for patching repair mortar is as follows: Mix design – Cement 50 Kg: Washed sand 150 Kg, RCONCRETE 5 to 7.5 Kg &Water 10 Ltr (sufficient water can be added to give the required consistency).

Technical Data

Powder Component	Cement
Liquid Component	Acrylic polymer
Specific Gravity @	27ºC 1.025
pH @ 27ºC	> 7
Solid content	28 - 29 %

Storage and Self Life

Store in Shelf Life-24 months from date of manufacturing.

Packaging

1, 5, 10, 20, 50 &100 Lit Pack