

# Rocky ADD AC

## Description

ROCKY ADD AC is an acrylic co-polymer bonding agent which is used for cementitious systems as a bonding aid, curing agent and gauging liquid. It is resistant to hydrolysis and can be used for external application.

ROCKY ADD AC is non-yellowing and has excellent resistance to ultraviolet degradation, heat and most common chemicals.

It is mixed with cement mixture to give higher adhesion power to all surfaces, extra bonding strength, excellent plasticity, higher impermeability and flexure resistance, higher abrasion and acid resistance and can be considered as a waterproof admixture when mixed with cement.

## Use

Bonding agent for rendering, plaster, screed and concrete

As a primer for all cement-based repair products

Sealing coat and curing of concrete

As an adhesive for bonding concrete, masonry brick, etc.

Waterproof slurry coats to level and seal walls, floors and tanks

For fixing tiles when mixed with traditional cement mortar

Resurfacing old concrete or granolithic floors

## Advantages

Increases impact and abrasion resistance

Reduces permeability. Suitable for waterproof sealing and lining of tanks, pools, etc.

Improves chemical resistance to oil, grease, salt solutions and mild acids

Improves adhesive, tensile strengths of cementitious mixes

Self-leveling,.

## Technical Properties

Appearance	milky white
Density at 25 °C	1.02 kg/L
VOC	13.0 g/L
pH	8.5 – 9.5
Viscosity at 25 °C	3500 – 5000 cps
Toxicity	None
Flammability	None
Temperature of application	+5°C to +35°C

# Rocky ADD AC

## Application

The surface must be clean, sound, solid, uncontaminated and compact.

Contaminated material, dust, corrosion, grease substances and old paints must be completely removed.

The decayed or damaged area to be repaired should be marked. Cut the marked area to a depth of at least 10mm using a handheld concrete saw or disc grinder to avoid feather edging and to provide a square edge. Break out or chip the complete repair area down to sound base using sharp tools or chipping hammer.

Surfaces should be saturated with water to avoid possible backwater at the moment of casting. Before applying the screed for repairing, apply always the anchorage mortar to assure a perfect adhesion to the old cement support. Do not let the anchorage mortar dry but cast fresh on fresh.

## Cleaning

Clean tools and equipment immediately with water after use.

## Surface Preparation

### Bond Coating

#### Objective

Bond adhesion coat for concrete, brick and masonry surfaces, to accept cementitious renders, screeds or repair mixes. Waterproof slurry coating for concrete surfaces.

#### Mix Design

Cement 50 kg

ROCKY ADD AC 16 liters

Coverage 1 – 2 kg/m<sup>2</sup>

### Waterproof Slurry

#### Objective

Waterproof slurry for sealing basements, tunnels, reservoirs, pipes, areas where water seepage is undesirable, protection of metal against corrosion.

#### Mix Design

Cement: 50 kg

Sand: (0 – 0.3 mm): 25 kg

AR LATEX RIPRESA: 25 liters

Coverage: 2 – 3 kg/m<sup>2</sup>

## Rocky ADD AC

### **Concrete / Flooring Repairs**

#### Objective

Troweled repair mortars of plastic consistency to provide impact and abrasion resistant patching to flooring, stairways, walls, column.

#### Mix Design

Thickness: 15 – 25 mm 10 – 20 mm

Cement: 50 kg 50 kg

Medium Sand: 100 kg 100 kg

Gravel (3mm): 100 kg 50 kg

AR LATEXRIPRESA: 15 liter 10 liters

Water: 7 liters 10 liters

### **Polymer Screeds**

#### Objective

Troweled polymer screed of heavy duty and low permeability laid at 10 – 25 mm thickness.

#### Mix Design

Cement: 50 kg

Medium Sand: 100 kg

Granite Chips (3mm): 100 kg

AR LATEX RIPRESA: 9 liters

Water: 11 liters

For further information or particular use, contact Rocky-SCM Technical Department.

### **Polymer Concrete**

#### Objective

Production of flooring grade wet concrete mixes with improved adhesion and flexural strength, without excessive air entrainment.

#### Mix Design

20 – 30% by weight of cement

## Rocky ADD AC

### Coverage

- ROCKY ADD AC is available in plastic container of 20 liters and 200 liters.
- Consumption: 3 – 6 m<sup>2</sup>/liter depending on substrate.

### Shelf Life & Storage

Keep sheltered from frost or direct sun and in original tightly closed containers. Shelf life is 12 months if stored as recommended.

### Health & Safety

ROCKY ADD AC can be harmful to skin as it contains cement powders which may release alkalis when mixed with water. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary. In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately.

### Important Note

The information in this Technical Data Sheet is based on Rocky-SCM Canada's experience. Rocky-SCM does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Rocky-SCM Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.