

# MonniLatex ACR

## Acrylic Bonding Agent & Cement Modifier

### Product Description

MonniLatex ACR 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.

MonniLatex ACR 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.

### Uses

- ▶ 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
- ▶ Can be used for mortar lining of areas subject to abrasive or mild chemical action, effluent ducts, tanks, etc.
- ▶ 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, flowing consistency mixes can be produced to enable placement under difficult conditions

### Usage Instructions

#### Surface Preparation

The surface must be uncontaminated and compact. 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 hand held 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. For steel reinforcing use MonniRep CS or MonniZinc to coat steel bars to protect from rust and allow to dry before applying the repairing mortar.

#### 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
MonniLatex ACR	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: (Ø 0.3 mm )	25kg
MonniLatex ACR	25 Liters
Coverage	2-3 kg/m <sup>2</sup>

### 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	15-25mm	10-20mm
Cement	50 kg	50 kg
Medium Sand	100kg	100kg
Gravel (3mm)	100 kg	100 kg
MonniLatex ACR	15 liters	10 liters
Water	7 liters	10 liters

### Polymer Concrete

#### Objective

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

#### Mix Design

Cement	50 kg
Medium Sand	100 kg
Granite Chips (3mm)	25 Liters
MonniLatex ACR	9 liters
Water	11 liters

#### Cleaning

Clean tools and equipment immediately with water after use.

### Technical Data

Category	Typical Values
Appearance	Milky White
Wet Density	1.02 kg/L @ 25°C
VOC	13.0 g/L
pH	8.5-9.5
Viscosity	3500-5000 cps @ 25°C
Toxicity	None
Flammability	None
Application Temperature	5°C up to 35°C
Service temperature	-5°C up to 80°C

All values are subject to 5-10 % tolerance

## Yield

3-6 m<sup>2</sup>/liter depending on substrate

## Packaging

MonniLatex ACR is available in plastic container of 20 liters and 200 liters.

## 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

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. Do not induce vomiting

## Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

VER.1.2019