

# MONNELI PVA LATEX RIPRESA

PVA Bonding Agent for Cement Mortar & Concrete

## Description

PVA LATEX RIPRESA is a synthetic liquid emulsion with a specially modified polyvinyl acetate resin which formulated for use in buildings as a general purpose adhesive, additives to concrete, plasters and as a universal bonding agent.

It may also be used as a sealer coat to a porous concrete and granolithic floors.

## Advantages

- Multi purpose adhesive and bonding agent
- Economical
- Easy to apply
- Chloride free
- Reduces permeability
- Provides higher flexural strength

## Uses

- PVA LATEX RIPRESA can be used as a bonding admixture for mortar or concrete mix. It can also be used as a surface bonding primer between old and new concrete, as a dust proofer, for concrete repairing and for over coating bitumen.
- PVA LATEX RIPRESA can be used as a general purpose adhesive for concrete cork, plaster board, renders, roofing felt, leather, linoleum, polystyrene, etc.

## Instructions for Use

### Surface Preparation

Surface must be structurally sound, clear, free of dust, loose material, laitance and other contaminants. Saturate the surface with water and wipe down before commencing treatment.

For repairing damaged concrete or plaster, be sure to saw cut the surface till reaching sound surface. 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.

### Cement Rendering on Smooth Concrete:

Make a conventional dry mortar. Mix 1 volume of PVA LATEX RIPRESA with 2 or 3 volumes of water with this mixture. Mix the mortar to the required workability of a rendering mortar. Key coat is made of (water + PVA LATEX RIPRESA) at ratio of 1:3.

Apply the screed mortar on the slurry to the required thickness, before the slurry dries up. Strongly float the screed on the slurry while still wet and level the surface.

### As a General Adhesive:

After surface preparation, apply a thin film of PVA LATEX RIPRESA over both faces and allow to become tacky (20 to 30 minutes).

Bring the surfaces firmly together, position as required, wipe off any excess and allow to set for 24 hours.

### Surface Sealing for Porous & Dusting Concrete Sub-Floors:

Mix 1 part of PVA LATEX RIPRESA with 5 parts of water, apply 2 coats of the solution and when dry, a final coat of a solution prepared by mixing 1 part of PVA LATEX RIPRESA with 3 parts of water must be applied.

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### Minor Repair Work

Mix mortar (1 part cement with 1 part sand) with a solution consisting of 1 part PVA LATEX RIPRESA and two parts of water, and apply with a trowel (use fine sand).

### Cement Screed Underlay Key Slurry:

Mix PVA LATEX RIPRESA and water 1:2 in volume. Use this solution to prepare a slurry with cement and coarse sand in the proportion of 1:1 weight.

Mortar will be proportioned at 500 Kg. / m<sup>3</sup> cement.

Apply slurry on the slab uniformly with a brush.

### Topping Mortar:

Mix PVA LATEX RIPRESA and water in the proportion 1:3 in volume. From this solution prepare an earth moist mortar for the screed.

### Plaster Bonding

Seal the surface by applying a bonding coat then apply the plaster on to the tacky surface.

### Bitumen Primer

Prime the bitumen with a solution of 1 part PVA LATEX RIPRESA to 1 part water to form an anti bleed coat suitable for most oil based paints.

Surfaces exposed to wind or sun, or work carried out in hot climate conditions must be protected against excessively fast drying. The proportion of cement and PVA LATEX RIPRESA required, increases as the mortar thickness decreases.

### Cleaning

Clean tools and equipment immediately with water after use.

### Technical Data

Properties	Results
Appearance	white emulsion
Density at 25°C	1.04 g/L
pH at 25°C	4 - 6
VOC	5.0 g/L
Bond strength (BS 1881)	1 N/mm <sup>2</sup>
Toxicity	None
Flammability	None

All values are subject to 5-10 % tolerance.

### Applicable Standards

- BS 5270

### Packaging

PVA LATEX RIPRESA is available in plastic container of 20 liter and 200 liters.

### Storage

Store in dry covered shelter. Shelf life of this product is 12 months if stored as recommended.

### Health & Safety

Handle the product with caution. Use gloves and goggles to avoid any contact with eyes and skin. In case of contact with eyes, wash abundantly with warm water and consult a doctor immediately.

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