



# BUTABOND AR

Acrylic emulsion cement modifier and water based concrete bonding agent

## Description

**BUTABOND AR** is a modified acrylic emulsion specially designed for use as a bonding aid and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external applications. BUTABOND AR is the recommended primer for the Redwop cementitious repair system. It cures mortars used to prevent rapid drying out also protects uncured mortar from frost and rain.

## Uses

- primer for Redwop cementitious repair system
- For improving and bonding floor toppings, renders and mortars
- Repair of worn, damaged or spalled concrete
- Polymer modified floor screeds

## Advantages

- Ease in use as it is a single component
- Provides excellent bond to concrete, masonry, stone work plaster and block board
- Improves tensile and flexural Properties of mortar
- Allows thin section applications
- Compatible with all common hydraulic cements
- Economical to use

## Benefits

- **As a bonding agent:**  
The bonding agent shall be BUTABOND AR an acrylic based emulsified solution. The bonding agent shall provide adequate bond strength when directly applied on concrete and also mixed with neat cement.
- **As a mortar modifier:**  
The mortar modifier shall be BUTABOND AR, an acrylic emulsified cement modifier which provides good bond with concrete / masonry and improves the flexural strength, tensile strength properties of the mortar when added in the specified quantities. It shall be compatible with all common hydraulic cements.

## Technical Information

Properties	Curing Condition	Control	BUTABOND AR
Compressive Strength N/mm <sup>2</sup>	Dry	35	40
	Wet	30	30
Tensile Strength N/mm <sup>2</sup>	Dry	4.0	4.5
		3.0	3.5
Flexural Strength N/mm <sup>2</sup>	Dry	8	11
	Wet	7	9
Adhesion to concrete	Dry	5	20

## Method of Application

- Surface must be free of dust, oil, laitance and all other kind of foreign materials. All surfaces so treated should be thoroughly washed with clean water. Smooth substrates must be mechanically roughened e.g. by scabbling, needle gun or grit/ sand blasting to provide a mechanical key.
- Immediately before priming, the concrete substrate should be thoroughly dampened with water and any excess being brushed off. Scrub BUTABOND AR into the substrate. Avoid puddling of the emulsion. The repair mortar/topping should be applied whilst the primer is still tacky. However a satisfactory bond can be achieved up to 15 mins. After application at 30°C.
- Typical Mix designs to modify mortars:
  1. OPC 50 kg
  2. Zone 2 sand 150 kg
  3. BUTABOND AR 8 – 10 liters
  4. Water Add sufficient water to give required consistency (Trials are recommended to optimize mix designs)
- All applications shall be wet on wet. For best results BUTABOND AR should be allowed to become tacky.

## Coverage

- Approximately 6 – 8m<sup>2</sup> / liter depending on substrate.

## Packaging

- BUTABOND AR is supplied in 5, 20, 50 & 200 liter plastic containers.

## Storage

- 12 months at room temperature if kept unopened and it should be protected from frost.

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BONDING AGENT

Redwop®