



High Performance Bonding Agent

Additive designed to improve physical properties of cement mortars.

DESCRIPTION

Crommelin[®] High Performance Bonding Agent represents a new generation of cement modifiers, developed to improve the physical properties of cement mortars and to produce exceptional performance in cement renders.

Crommelin[®] High Performance Bonding Agent improves the chemical, corrosion, moisture and salt water resistance of cement renders. It has been specifically formulated for use in highly alkaline cement environments.

FEATURES AND BENEFITS

- Increases tensile, flexural, impact & compressive strengths.
- Waterproof.
- Can be applied in thin coats.
- Promotes adhesion superior to PVA's & SBR's
- Increases abrasion resistance.
- Suitable for use in contact with drinking water.
- Resists acids, alkalis, fats & oils.

AREAS OF USE

High Performance Bonding Agent is suitable for use in the following areas:

- Water Tanks.
- Pipe Lining.
- Driveways.
- Factory Floors.
- Re-Building Stairs/Steps.
- Tile Bedding & Grouting.
- Spalled Concrete & Crack Repairs.
- Render/Granolithic Coatings.

High Performance Bonding Agent

Crommelin[®]
Waterproofing & Sealing

SUITABLE SUBSTRATES

High Performance Bonding Agent is suitable for use on the following surfaces:

- Concrete & Brick.
- Fibre Cement.
- Renders
- Plywood Sheeting

PERFORMANCE DATA – PLAIN OPC MODIFIED WITH HPBA

			Before	After
Mix Ratio	15% HPBA to cement weight	Tensile strength (N/mm ²)	1.6	4.2
Curing Time	28 days	Flexural strength (N/mm ²)	4.2	10.9
Colour	Milky White	Compressive strength (N/mm ²)	16.5	39.4
Thinner	Water	Impact strength (inch/pound)	6.0	16.0
Shel	12 months	Shear bond (N/mm ²)	0.3	4.5

APPLICATION TOOLS

- Crommelin[®] Contractor Membrane Applicator Brush – 100mm, 75mm.

SURFACE PREPARATION

Full substrate preparation instructions can be found at www.crommelin.com.au/full-instructions/

- Substrate should be primed with a 1:1 dilution of **High Performance Bonding Agent** and water.
- Apply with **Crommelin[®] Contractor Membrane Brush** at the approximate rate of 6-12m²/L.
- Allow to become tacky then apply topping.
- For porous surfaces prime with a slurry coat (refer to specifications for mix recommendation).

PRODUCT PREPARATION/SPECIFICATIONS

Mix	Sand	Cement	Water	High Performance Bonding Agent	Coverage	
Bonding Agent	N/A	+	N/A	+	1L = 6-12m ²	
Slurry Coating	0.5kg	+	1kg	+	Min. required + 1L = 7.5m ²	
Concrete Repair & Tile Beddings	5kg	+	2.5kg	+	Min. required + 1L = 0.4m ² @ 10mm 0.6m ² @ 6mm	
Screed	5kg	+	1.6kg	+	Min. required + 1L = 0.4m ² @ 10mm 0.6m ² @ 6mm	
Waterproof Render or Mortar	4kg	+	1.3kg	+	Min. required + 1L = 0.3m ² @ 10mm	
Medium Duty Concrete Resurface	4kg	+	2kg	+	Min. required + 1L = 0.5m ² @ 6mm 0.3m ² @ 10mm	
Heavy Duty Granolithic Topping	3kg Sand 3kg 3mm Granite chips	+	2kg	+	Min. required + 1L = 0.7m ² @6mm 0.3m ² @12mm	
Primer before waterproofing	-	-	+	1L	+	1L = 12-24 m ²

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APPLICATION CONDITIONS

- Use only in conditions where the application of cementitious mortars is suitable.

APPLICATION PROCESS

Full application instructions can be found at www.crommelin.com.au/full-instructions/

- Apply concrete and mortars as per specifications and normal practice.

CLEAN UP

- Clean all equipment with water before product dries.

SIZES

- Crommelin[®] High Performance Bonding Agent is available in a 1L can.

TRANSPORT AND STORAGE

- | | | | |
|-----------------|--------------------|------------------------|-------------------------|
| • Size: 1L | • Weight: 1.1kg | • Cool and Dry Storage | • UN Number: N/A |
| • DG Class: N/A | • Flash Point: N/A | • Hazchem Code: N/A | • Poisons Schedule: N/A |

SAFETY AND FIRST AID

Crommelin[®] High Performance Bonding Agent Safety Data Sheet is available from Crommelin[®] upon request.

Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

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Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin[®] also reserves the right to update information without prior notice, to reflect ongoing research and product development.