



# Powerflex<sup>®</sup>

Multipurpose rubber polymer cement additive and adhesion promoter.

## DESCRIPTION

Powerflex<sup>®</sup> is a multipurpose rubber polymer which may be incorporated as a cement additive, to improve strength, adhesion, chemical and moisture resistance of cement screeds, mortars and renders.

Powerflex<sup>®</sup> can also be used as a primer/adhesion promoter for use in conjunction with Crommelin<sup>®</sup> waterproofing membranes. Powerflex<sup>®</sup> has excellent adhesion to new and old concrete and where surfaces are slightly friable.

## ADVANTAGES

Powerflex<sup>®</sup> delivers the following advantages;

- Increases durability of concrete and mortars.
- Improves workability.
- Improves water resistance.
- Reduces water/cement ratio.
- Increases abrasion resistance.
- Increases tensile, flexural, impact and compressive strengths.
- Low VOC – Non toxic and environmentally safe.
- Adhesion promoter for hard to bond substrates.
- Consolidates dusty or powdery surfaces.
- Rapid drying.

## AREAS OF USE

Powerflex<sup>®</sup> is suitable for use in the following areas;

- Underlayment Levelling Screeds
- Render/Granolithic Coatings
- Tile Bedding & Grouting

## SUBSTRATES

Powerflex<sup>®</sup> is suitable for application on;

- Concrete & Brick
- Fibre Cement
- Plywood Sheeting
- Cement Render

## TECHNICAL DATA (@ 25°C)

Mix Ratio: Refer to Specifications

Coverage: Approx. 7-10 m<sup>2</sup>/L

Full Cure: 28 days

Colour: Milky liquid

Clean Up: Water

Shelf Life: 12 months

## SPECIFICATIONS

### Screed:

Gauging Mix: 0.2L of 1 part Powerflex<sup>®</sup> to 3 parts water.

1kg of Cement.

3kg Sand.

### Primer Coat Prior to Screed Placement:

1 part Powerflex<sup>®</sup> to 1 part water.

### Waterproof Render:

Gauging Mix: 0.5L of 1 part Powerflex<sup>®</sup> to 3 parts water.

1kg of Cement.

3kg of Sand.

### Primer Coat prior to Waterproofing.

1 part Powerflex to 1 part water.

# Powerflex<sup>®</sup>

Multipurpose rubber polymer cement additive and adhesion promoter.

---

## ANCILLARY PRODUCTS

- Crommelin<sup>®</sup> Contractor Membrane Applicator Brush – 100mm, 75mm
- Crommelin<sup>®</sup> Contractor Membrane Roller Cover – 230mm
- Crommelin<sup>®</sup> Moisture Meter

## APPLICATION CONDITIONS

- Substrate must be dry. The use of suitable moisture meter is recommended.
- Application temperature between 7°C - 35°C.
- Do not apply if relative humidity is above 85% during initial cure phases, or if rain is expected before cure.

## APPLICATION

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Add gauging mix to sand/cement mix and ensure thorough dispersion prior to application.
- The mixes have a pot life of approximately 30 minutes. Batch sizes should be calculated accordingly.
- Apply concrete and mortars onto wet or tacky primer.
- Compact and level with screed bar, and finish with steel float.

### For Use as a Primer.

- Apply with Crommelin<sup>®</sup> Contractor Membrane Brush, Crommelin<sup>®</sup> Contractor Membrane Roller or spray.
- Apply one coat of the diluted primer at a rate of 7-10 m<sup>2</sup>/L, at a wet film thickness of 100-140 microns.
- Can be over coated with Crommelin<sup>®</sup> waterproofing membranes after 1 hour.

## CLEAN UP

- Wash all equipment in warm water and a small amount of detergent immediately after use.

## PRECAUTIONS

- Do not apply if the temperature is below 7°C or relative humidity is above 85% or if rain is imminent.

## WARRANTIES

Please contact your Crommelin<sup>®</sup> representative, or the Crommelin<sup>®</sup> technical support team for detailed specifications applicable to your project and warranty requirements.

## TRANSPORT AND STORAGE

- Size: 4L, 15L
- Weight: 2kg, 4kg, 15kg
- DG Class: N/A
- Flash Point: N/A
- UN Number: N/A
- Cool and Dry Storage
- Hazchem Code: N/A
- Poisons Schedule: N/A

# Powerflex®

Multipurpose rubber polymer cement additive and adhesion promoter.

---

## **SAFETY AND FIRST AID**

Powerflex® 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.

Crommelin® and other marks followed by ® are registered trademarks.

Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

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.

---