

## TECHNICAL DATA SHEET

P.DS.208 (FB SERIES) REV02/12/2024

**PL111**  
**WATER BASED**

# PROMAC PLASTER LOCK



**Promac Plaster Lock** is a ready for use water-based styrene/butadiene polymer-based liquid specifically designed for use as a plaster-key on cement plaster and with cementitious compounds, imparting excellent bonding strength, water resistance and flexibility. It also provides shrink and crack free surfaces when mixed with cementitious aggregates.

### USES

Used mainly in the building industry to bond cement plaster and gypsum plaster to smooth surfaces. It may also be used as a bonding liquid agent and mortar additive.

### FEATURES & BENEFITS

- Excellent bonding strength
- Bonding & keying agent
- Water resistant
- Flexible
- Provides shrink and crack free surfaces

### TECHNICAL INFORMATION

<b>PHYSICAL FORM</b>	Viscous milky liquid containing emulsion
<b>COLOUR</b>	Milky – dries clear
<b>SPREADING RATE</b>	As a bonding liquid, approximately 8 - 10m <sup>2</sup> per litre depending on surface porosity and profile.
<b>MIXING RATIOS</b>	As a keying agent usage and spreading rate vary according to required strength
<b>POLYMER TYPE</b>	Ratios vary according to required strength (see keying agent directions of use)
<b>DRYING PROPERTIES</b>	Modified styrene/butadiene polymer
<b>PACKAGING</b>	Product is tacky within 15 minutes
<b>THINNING</b>	1l, 5l & 20l
<b>CLEANING</b>	No thinning is required. Product is supplied ready to use
<b>APPLICATION METHOD</b>	All equipment should be cleaned with water before the product has dried. Dried or hardened product may be removed using lacquer thinners
	Apply with the use of a synthetic PVA roller or brush for the use as a bonding agent.

### DO NOT USE

- IF THE TEMPERATURE IS BELOW 5°C OR ABOVE 35°C
- IF IT IS RAINING OR RAIN IS FORECAST
- IF THE SURFACE IS DAMP (MOISTURE READING ABOVE 15%)
- BEFORE 09H00 AND AFTER 16H00 IN THE WINTER

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## SURFACE PREPARATION

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### All poorly adhering material & contaminants:

Remove all poorly adhering material such as loose particles and damaged existing paint from the surface. If not effectively removed with the use of high-pressure water cleaning, remove by means of mechanical surface preparation methods such as Hand or Power tool cleaning and further cleaned with surface cleaning methods.

### Oils and grease:

Remove oils, dirt and grease with the use of Promac Galv Prep.

### Friable material:

Remove all friable and chalky material by mechanical surface preparation methods. Thereafter reinstate friable material with a suitable mortar mixture ensure to use **Promac Plaster Lock** as a keying agent in the mixture as advised in application below.

## APPLICATION AS KEYING AGENT

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Subsequent to the surface preparation suggested above, add the suggested amount of **Promac Plaster Lock** into the cementitious & plaster compound mixtures for:

- Strength and durability
- Water resistance
- Flexibility
- Shrink and crack free finishes

### MIXING RATIOS:

As a rule of thumb, **Promac Plaster Lock** may be used within a cementitious and/or plaster mixture whereby it replaces the portion of the water used within the mix. **Promac Plaster Lock** may replace the use of water completely within the mixture. For optimal performance properties of **Promac Plaster Lock**, increase the amount of **Promac Plaster Lock** used within the mixture in place of the water portion.

For minimum performance, mix 1 part **Promac Plaster Lock** and 3 parts water with the dry cementitious powder. For maximum performance: Mix 20 parts of **Promac Plaster Lock** with 50 parts OPC, (no water) to give a water-resistant tough mortar.

## APPLICATION AS BONDING AGENT

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Subsequent to the surface preparation suggested above, apply an application of **Promac Plaster Lock** for:

- Bonding and sealing of friable and chalking surfaces
- Bonding and sealing of cementitious surfaces
- Sealing of porous substrate surfaces

### DIRECTIONS OF USE:

Apply an application of **Promac Plaster Lock** to surface using brush or roller. Apply/overcoat the application while the product is still tacky between 15 min to 20 min for optimal overcoating adhesion properties. Drying & overcoating times are dependent on environment conditions during drying and film build.

### NOTE:

Prolonged heat or excessively cold conditions may damage or affect the performance of the product.

All additional products advised for use during surface preparation must be use and applied in accordance with the relevant product's data sheets.

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## HEALTH & SAFETY

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Keep paint away from children and animals. Never smoke, drink or eat while painting. Wear protective overalls, gloves and goggles. If accidental contact with skin should occur, wash immediately with clean water. Harmful if swallowed. Do not induce vomiting. Consult your doctor. Ensure good ventilation during application and drying. Store in a cool, dry place out of the sun.

## DISCLAIMER ADVICE

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The information given in this Product Information Sheet is based on controlled laboratory tests and many years of experience. It is given in good faith, but no guarantee of any performance characteristic is given or implied. Promac Paints cannot be held liable for consequential damage of whatsoever nature that may arise from the use of Promac products. Paint technology is continuously being developed and Promac Paints reserves the right to update product specifications without prior notice. Contact Promac Paints for further details.