

Emer-Proof Multi Purpose Primer and WP Additive

SBR latex primer & waterproofing additive

USES

- Primer over porous surfaces such as brick, masonry, cement and concrete.
- Tile primer for floor and wall tile adhesives, Such as Emer-Proof Tilebond Flex (able to be diluted 1:1 with water for this application)
- Enhancing bond strength of mortars, screeds and renders (See MIX DESIGNS on following page)
- Waterproof additive for cement based tile adhesives, grouts, screeds, renders and patching compounds (See MIX DESIGNS on following page)

ADVANTAGES

- Low VOC (0.2 grams per litre)
- Australian made
- Suitable for internal and external priming applications for 'All' Emer-Proof water-based membranes
- Fast drying
- Provides waterproofing additive properties that assist in the reduction of efflorescence within sand and cement toppings
- Solvent free, non flammable and free of hazardous odours

DESCRIPTION

Emer-Proof Multi Purpose Primer and WP Additive is a single component fast drying primer that provides excellent high bonding and penetrating properties into concrete and masonry surfaces. In addition to its priming properties, Emer-Proof Multi Purpose Primer and WP Additive can also be used as a waterproofing additive for cement based products to enhance adhesion, water resistance and compressive strength.

TECHNICAL SUPPORT

Parchem offers a comprehensive range of high performance, high quality waterproofing and construction products. In addition, Parchem offers a technical support

package to specifiers, contractors and end-users, as well as on-site technical assistance.

PROPERTIES

Data quoted is typical for this product, but does not constitute a specification.

Appearance:	Milky white when wet Clear when dry
Water Soluble:	100% soluble in a wet state
Flammability:	Nil

COVERAGE

As a primer for 'All' Emer-Proof water-based membrane systems on masonry substrates:

Approximately – 1 litre will cover 6-8M² on general porous substrates

The coverage figures are theoretical – due to wastage factors and the variety and nature of possible substrates. Practical coverage figures may be substantially reduced.

APPLICATION INSTRUCTIONS

GENERAL APPLICATION DETAILS AS PRIMER

Surfaces must be clean, sound, stable and free of: loose foreign material; existing coatings; laitance; release agents; curing compounds and oil/grease residues.

- Emer-Proof Multi Purpose Primer and WP Additive should be lightly stirred before using, and can be applied to vertical, horizontal and overhead surfaces using a roller, brush or airless spray unit.
- When applied, Emer-Proof Multi Purpose Primer and WP Additive appears in a milky white state, drying clear.
- Not suitable for solvent based finishes. Only use water based systems over Emer-Proof Multi Purpose Primer and WP Additive.

APPLICATIONS AS ADDITIVE

- Renders exposed to weather, e.g. beach fronts, facade walls, feature walls.

- For high strength screeds and renders.
- Renders, mortars for immersed areas, e.g. tanks, ponds, water features and pools.
- As a patch and repair mortar.
- Grouts exposed to weather and water.
- Cement based adhesives for kerb stones, tiles and fixtures.
- Enhancement of general purpose tile adhesives, grouts and renders, screeds.
- Slurry sealing primer over block and brick surfaces, over aged or open pores of concrete, filling pores, voids etc.

USING AS ADDITIVE, BONDING AGENT

- Provides improved bond strength in areas subject to moisture, weather or immersion.
- Provides improved water resistance and waterproof properties.
- Provides improved crack, frost and salt resistance.
- Provides improved durability.

Forming a waterproof and high bonding slurry coat - mix the following parts by volume: 1 part Primer + 1-1.5 parts of Portland cement + 0.5 -1.0 parts sand. Once mixed to a brushable consistency, apply to substrate with a brush, broom etc. When applying renders, screeds, patch mortars etc over this slurry, optimum adhesion results are achieved as a "wet on wet" application.

When applied to surfaces as a slurry seal, this will perform as the system primer, enabling all Emerproof membranes to be applied over once dried. Emerproof Quick Dry Two Part can be applied over slurry primer while in wet state, offering big advantages on areas where conditions are damp, cold, humid and moist without delaying the application.

MIX DESIGNS

A wide range of mix designs is achievable using Emer-Proof Multi Purpose Primer and WP Additive. Typical designs are detailed below:

1. General Screeds:

Use Emer-Proof Multi Purpose Primer and WP Additive with water at 1:3 Ratio as mixing liquid for general screeds (as a starting guide only)

2. Patching and repair mortar:

50 kgs Ordinary Portland Cement
150 kgs grade C/M sharp sand
15 litres of Emer-Proof Multi Purpose Primer and WP Additive
2-3 litres (maximum) clean water
Recommended thickness: 6 mm - 40 mm

3. Heavy-duty floor screed:

50 kgs Ordinary Portland Cement
75 kgs 3 to 6 mm granite chips
75 kgs grade C/M sharp sand
15 litres of Emer-Proof Multi Purpose Primer and WP Additive (no water addition, further addition of Emer-Proof Multi Purpose Primer and WP Additive can be used to wet product further).
The screed should be of a semi-dry cohesive consistency.
Recommended thickness: 10 mm - 40 mm

4. Render:

50 kgs Ordinary Portland Cement
150 kgs grade C/M sharp sand
2.5kg of lime maximum can be added to enhance anti-slump properties
15 litres Emer-Proof Multi Purpose Primer and WP Additive
1-2 litres of clean water. More can be added to adjust workability if required.
The render should be of a semi-dry cohesive consistency.
Recommended thickness: 6 mm - 9 mm

5. Bonding mortar for slip bricks, tiles, etc:

50 kgs Ordinary Portland Cement
125 kgs grade C/M sharp sand
15 litres Emer-Proof Multi Purpose Primer and WP Additive
1-2 litres of clean water. More can be added to adjust workability if required.
Water is adjusted to give a firm mortar. For fine joints, use grade M/B sand. Support where necessary until the mortar is set. Recommended thickness: 6 mm to 40 mm.

6. High bonding waterproof slurry coat

20kg Portland cement
20kg grade C/M sharp sand
12 litres of Emer-Proof Multi Purpose Primer and WP Additive. To increase workability to a flowable/brushable consistency, increase addition of Emer-Proof Multi Purpose Primer and WP Additive until desired consistency is achieved.

CLEANING

With water while wet. Once dried Solvent 10 or light mechanical means may be required.

DRYING TIMES

30 mins @ 23°C

Minimum double the drying time @ 10°C – apply membrane coatings only after primer has fully dried

PLEASE NOTE:

Application of all liquid applied membranes and primers should always refer to the surface temperature conditions before commencing and not just ambient temperatures. (There are limitations to how hot/cold the surface temperature can be, when applying liquid based membrane or primer).

For example: ambient temperatures may be 10°C but the substrate could be 0°C and have frost issues. The same applies with higher temperatures: ambient temperature may be 26°C but have a substrate temperature of 36°C

ESTIMATING

SUPPLY

743121 – Emer-Proof Multi-Purpose Primer and WP Additive
4L Pail (1L/6-8m² - as a primer)

743120 - Emer-Proof Multi-Purpose Primer and WP Additive
15L Pail (1L/6-8m² - as a primer)

STORAGE

SHELF LIFE

12 months if kept in a cool, dry store.

STORAGE CONDITIONS

Store in dry conditions at temperatures between 5°C and 30°C in the original, unopened containers. If stored at high temperatures, the shelf life may be reduced.

MAINTENANCE

No special requirements, any damage identified during normal inspections should be repaired or replaced as appropriate.

ADDITIONAL INFORMATION

Parchem provides a wide range of complimentary products which include:

- Waterproofing membranes – liquid applied, cementitious and bituminous sheet membranes
- Architectural coatings
- Joint sealants – building, civil and chemical resistant
- Waterstops – pvc and swellable
- Industrial flooring systems – cementitious and epoxy
- Concrete repair – cementitious and epoxy
- Filler boards – swellable cork, bituminous and backing rod
- Grouts and anchors – cementitious and epoxy
- Ancillary products

For further information on any of the above, please consult with your local Parchem sales office.

IMPORTANT NOTICE

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.