

## Substructure Waterproofing - Ancillaries

### Preprufe® LM

Two component, thixotropic detailing liquid membrane for use with Preprufe membranes.

#### Description

Preprufe® LM is designed to complement Preprufe waterproof membranes where a thixotropic, trowel applied detailing membrane is needed to ensure watertight continuity. Preprufe LM cures to form a tough seamless elastomeric waterproof membrane.

#### Principal Applications

- Pipe penetrations
- Concrete and steel upstands
- Pile caps
- Ground anchors.

#### Installation

##### Compatibility/Adhesion

Preprufe LM has been tested for compatibility and adhesion to the following substrates:

- Dry concrete
- Preprufe membranes (adhesive face)
- Preprufe Tape

For advice on adhesion to additional substrates please contact Grace.

##### Substrate Preparation

Concrete and Preprufe membrane surfaces should be dry, clean, sound, and free of any contaminants and loose particles. Compressed air blasting is recommended to remove any loose particles and ponded water.

#### Advantages

- **Seamless** – continuous waterproofing integrity.
- **Adhesion** – to all Preprufe membranes, Preprufe Tape and concrete.
- **Elastomeric** - accommodates normal substrate movements.
- **Self-protected** – tough with excellent wear and abrasion resistance.
- **Cold applied** – no flame hazard.

#### Mixing

Preprufe LM is supplied as a two component product. Mixing should be with a minimum 1000 W, variable speed drill and a helical blade mixing paddle, 80 mm dia or similar. Minimum application temperature is +5°C.

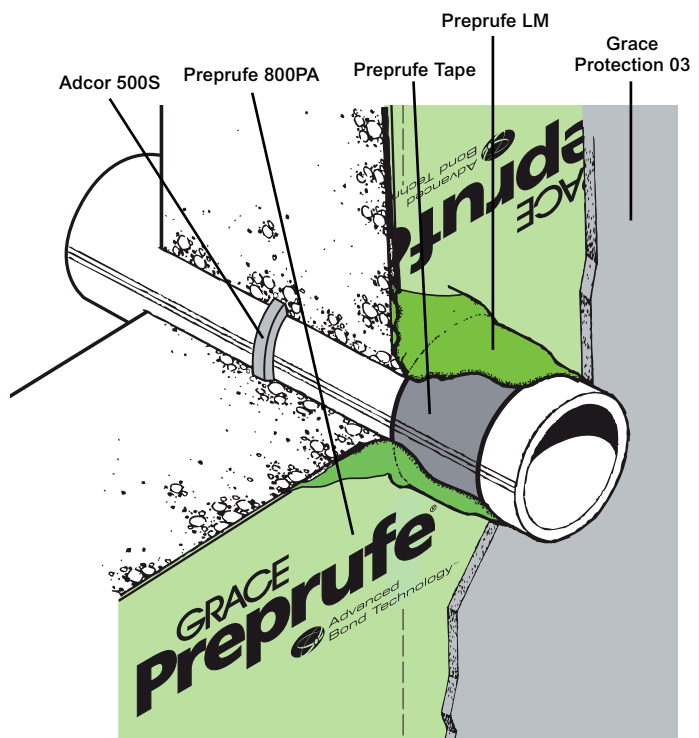
Open the Part A container and pre-mix for 1 minute until an homogeneous consistency is obtained. Then add the entire contents of the Part B container to the premixed A component and mix for 3 minutes, ensuring both liquids are fully mixed.

The mixed product should be free from any colour streaks. Scrape material from the side and bottom of the container to ensure thorough mixing.

#### Application

Preprufe LM is trowel or brush applied at a minimum thickness of 2 mm. The theoretical coverage rate (not including waste) at a 2 mm thickness is approx 2.3 kg/m<sup>2</sup>. Coverage rates will be reduced over rough and uneven substrates.

Always apply the entire contents of the container as soon as possible after mixing. The reaction that occurs between Part A and Part B is exothermic (gives off heat) and accelerates the curing of the membrane. Do not cover the material in the pail after it is mixed.



**Typical Pipe Penetration Detail**

Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact Grace Technical Services

## Supply

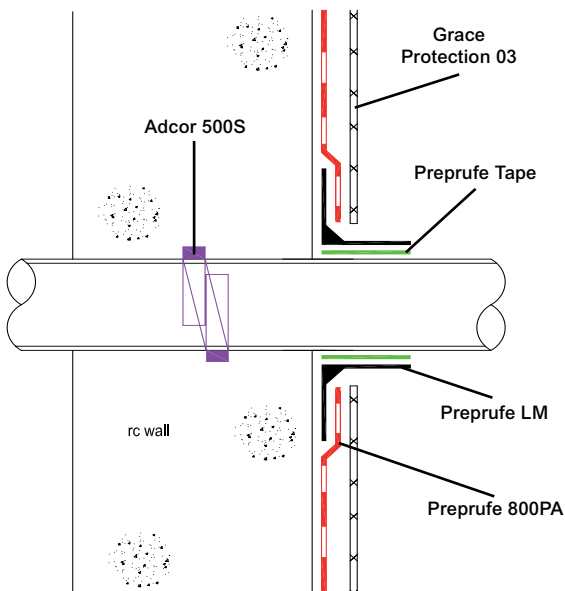
	Unit of Sale
Preprufe <sup>®</sup> LM (Part A)	4.55 litres
Preprufe <sup>®</sup> LM (Part B)	0.99 litres
Ancillary Products Preprufe <sup>®</sup> Tape Adcor <sup>®</sup> 500S	6 x 5m rolls

## Adhesive Properties

Adhesion of Preprufe LM applied to	Typical Value	Test Method
Concrete dry	4 N/mm	ASTM D 903 (mod. 90° peel)
Preprufe adhesive face	1.26 N/mm	ASTM D 1876 T-peel

All declared values shown in this data sheet are based on test results determined under laboratory conditions and with the product sample taken directly from stock in its original packing without any alteration or modification of its component parts.

**Note:** Preprufe LM when applied is light grey in colour. It will change colour to a light purple and then to a brown. This is due to ultra violet rays and has no effect on waterproofing properties.



**Pipe Penetration Detail**

## Laps

Always apply Preprufe LM and allow to cure fully. Then lap Preprufe sheet membrane onto cured Preprufe LM a minimum of 100 mm. Roll the Preprufe sheet membrane well, to ensure full adhesion.

Clean tools and equipment with solvent tool cleaner before Preprufe LM has cured.

## UV Protection

Preprufe LM is not designed for permanently exposed applications, it should be covered within 30 days of application.

## Storage and Shelf Life

Preprufe LM should be stored internally in un-opened original packaging. Recommended storage temperature is +5°C to +25°C. Do not store externally. Containers should not be opened until ready to use.

Shelf life for Preprufe LM is 6 months.

## NBS Specification Clause

Refer to Clause J40 297/360/370.

## Health and Safety

Read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products.

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