

Procor® 75

High productivity, sprayed liquid waterproofing for substructure walls and concrete decks.

Description

Procor® 75 is a spray applied, two component, synthetic rubber, liquid waterproofing membrane. It cures to form a resilient, fully bonded, elastomeric sheet which will fully protect structures against water and water vapour ingress.

Advantages

- **Quick application** - in excess of 100 m² per hour, reduces construction programme times.
- **Saves time on critical path** - backfill operations can be bought forward several days.
- **Warranted installation** - by Grace trained Procor applicators only.
- **Auto-bonded protection** - protection boards can be applied directly to wet Procor.
- **Damp surface tolerant** - can be applied to green or damp (not wet) concrete.
- **Fully bonded** - water cannot track between membrane and substrate.
- **Elastomeric** - accommodates minor movements and bridges concrete shrinkage cracks.
- **Seamless** - no vulnerable laps and easy detailing.
- **Low Odour, solvent free.**

Refer to separate data sheets for Procor® Deck Systems 2 and 4R

Principal Applications

- Sub-structure walls
- Retaining walls
- Podium decks
- Terraces & balconies
- Inverted roofs

System components:

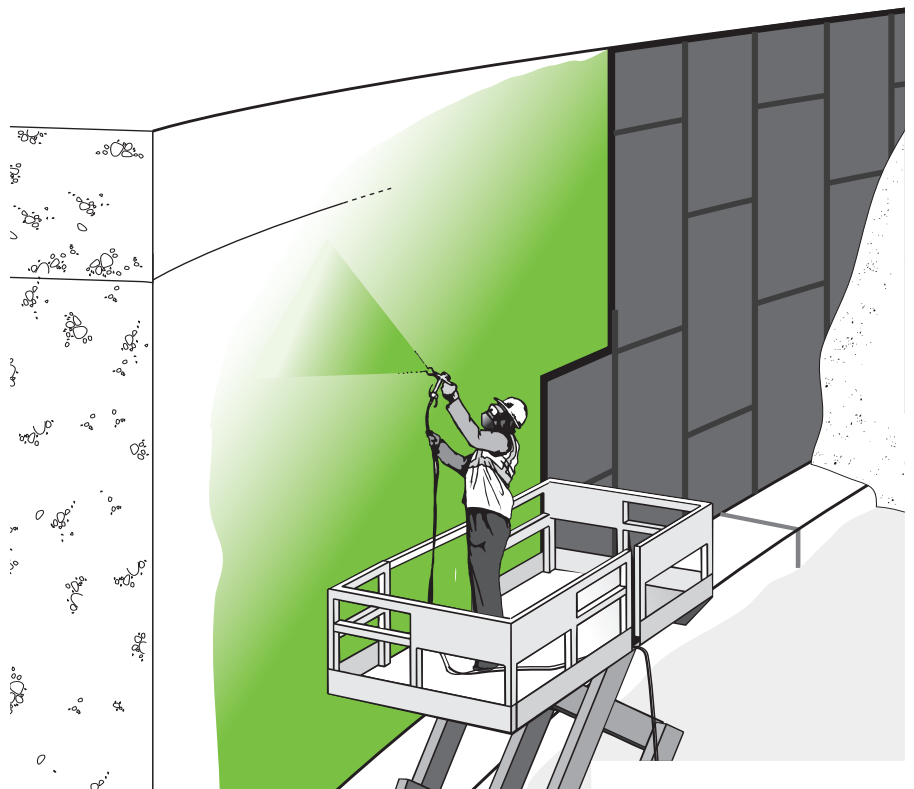
- Procor® 75 - for vertical and horizontal surfaces.
- Grace Protection Board 2 - protection against backfill and site operations.
- Bitutape™ 4000 - bituminous tape for butt joints in Grace protection boards.
- Bituthene® LM - liquid membrane for sealing around steel and plastic pipes.

Design

Almost all structures below ground are likely to be subject to water pressure at some period of their life, therefore consideration should be given to the design requirements of BS 8102 1990 (Protection of structures against water from the ground). Additional basement design recommendations are made in CIRIA Report 139 (Water-resisting basements).

Limitations

- Procor should not be used as a permanently exposed waterproof membrane
- Maximum exposure of protection boards 30 days.
- Protection boards should always be fully loaded.



Supply

Product	Unit of Sale
Procor® 75	550 L or 80 L
Grace Protection Board 2	2 m x 1 m boards or 1 x 20 m rolls
Bitutape™ 4000	70 mm x 20 m rolls

Physical Properties

Property	Typical Value	Test Method
Resistance to hydrostatic head over 3mm post formed crack	20m	ASTM D5385
Peel adhesion to concrete	0.9 N/mm	ASTM D903
Peel adhesion to self	0.9 N/mm	ASTM D903
Elongation	500%	ASTM D412
Pliability, 180° bend over 25mm mandrel at -30°C	unaffected	ASTM D1970
Extensibility over a 6.4mm crack after heat ageing	pass	ASTM C836
Solids content	100%	ASTM D1644

Compatibility/Adhesion

Procor® is designed for use with cementitious and masonry substrates. Check for compatibility/adhesion to other substrates.

Application

Procor 75 is applied only by Procor applicators that have attended Grace Level 3 training courses. Contact Grace for further details.

Warranties

Grace Construction Products and Procor Contractors will provide warranties for individual projects.

NBS Specification Clause

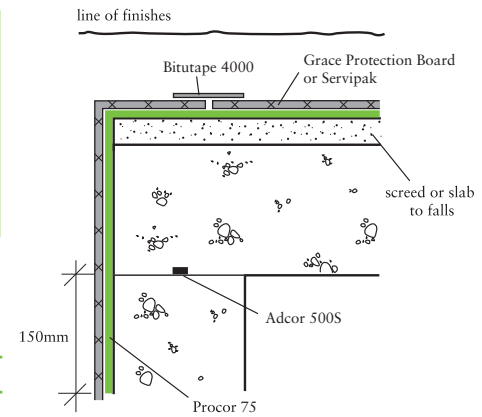
Refer to Clause J30/130 and J31/130.

Health and Safety

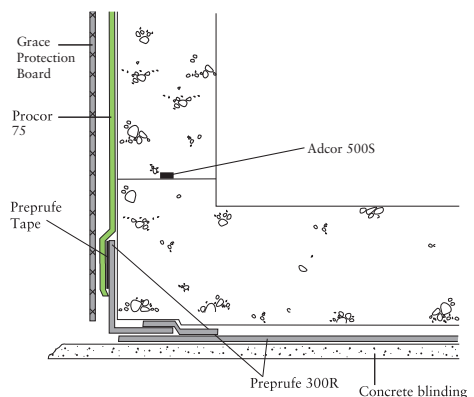
For Procor, and Bituthene Liquid Membrane read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at www.graceconstruction.com.

There is no legal requirement for a Material Safety Data Sheet for Grace Protection Boards or Bitutape 4000. For health and safety questions on these products please contact Grace Construction Products Limited.

Typical Details



Basement Car Park Lid Detail



External Tanking to Concrete Sub Structure

Contact Grace for further typical details

 Visit our web site at www.graceconstruction.com

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