

Procor® Deck System 2

Spray or trowel applied, liquid waterproofing for concrete decks above car parks and other non-habitable accommodation.

Description

Procor® Deck System 2 comprises a minimum of 2mm of Procor® Liquid Waterproofing, Grace Protection Board and Armourtape™. Procor® is a two component, synthetic rubber, liquid waterproofing membrane. It cures to form a resilient, fully bonded, elastomeric sheet.

Advantages

- **Warranted installation** - by Grace trained Procor applicators only.
- **Quick application** - by spray or trowel.
- **Fully bonded** - water cannot track between membrane and substrate.
- **Elastomeric** - accommodates minor movements and bridges concrete shrinkage cracks.
- **Seamless** - continuous waterproofing integrity with easy detailing.
- **Primerless** - applied directly to substrate.
- **Damp surface tolerant** - can be applied to green concrete and damp to touch surfaces.
- **Safety** - non hazardous product with no harmful solvents.
- **Cold Applied** - eliminates fire hazard during application.
- **Low Odour.**

Principal Applications

New and remedial waterproofing of concrete decks:

- parking/plaza decks
- podiums
- terraces
- internal floors
- planters
- green roofs
- wet rooms

Refer to separate datasheet for Procor® Deck System 4R for decks above habitable accommodation.

System components:

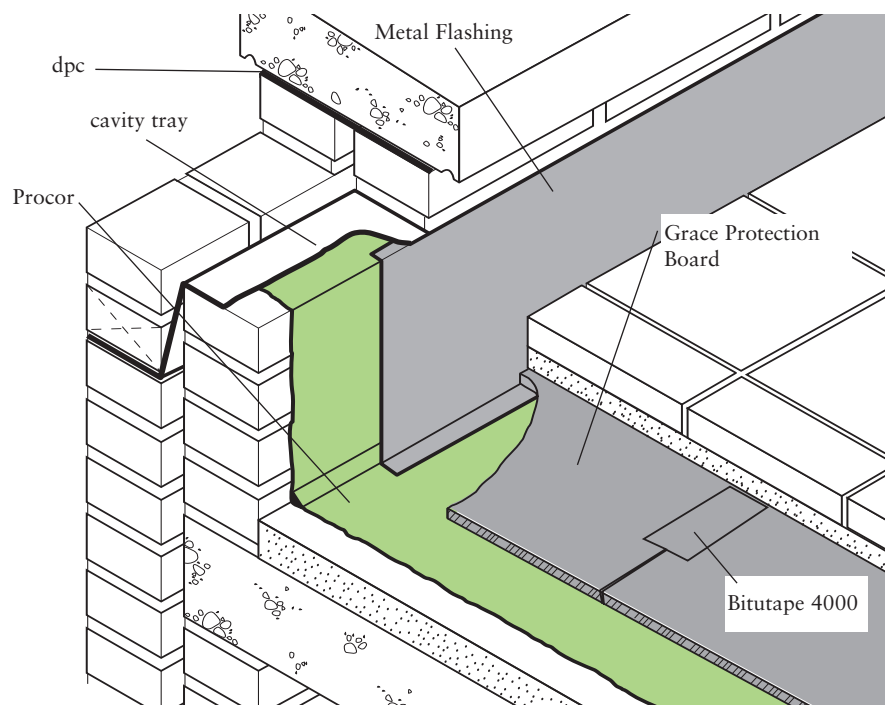
- Procor® 75 - spray grade for vertical and horizontal surfaces.
- Procor® 10 - trowelling grade for horizontal surfaces and upstands up to 300 mm high.
- Grace Protection Board - unbonded protection board
- Servipak® 3 (optional) - bonded protection board.
- Bitutape™ 4000 - for joints in protection boards.
- Primer B2 (for joints in protection board).
- Hydroduct® (optional) - geocomposite drainage/irrigation sheet.
- Bituthene® LM (optional) - liquid membrane for detailing.
- Hydroduct® Root Barrier.

Design

Elevated concrete decks or topping screeds should be laid to minimum falls of 1:80 or to suit anticipated long term deflection. The technical recommendations of BS 6229:1982, BS 6367:1983 and CP 144:1970 should be observed. All concrete substrates should be wood/skip float finish.

Compatibility/Adhesion

Procor® is designed for use with cementitious and masonry substrates. Check for specific compatibility and adhesion with Grace.



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 by screeds, hard or soft landscaping or similar finishes.
- Protection boards are designed to provide protection against damage during installation of finishes only. If protection boards are to be regularly trafficked by site vehicles use additional protection measures.

Installation

Procor Deck System 2 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 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, Bitutape 4000, Hydroduct, Alu Bitutape or Hydroduct Root Barrier. For health and safety questions on these products please contact Grace Construction Products Limited.

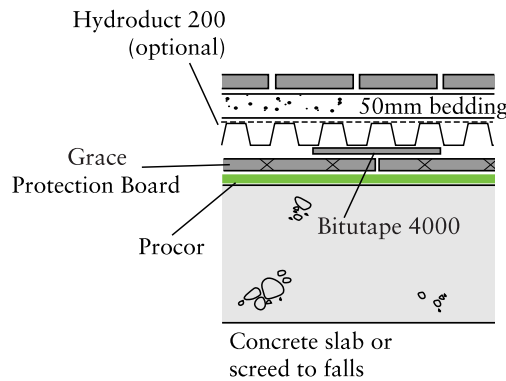
Procor® Physical Properties

Property	Typical Value	Test Method
Resistance to hydrostatic head over 3mm post formed crack	20 m	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
Pot life (Procor 10/20)	30 minutes at 20°C 60 minutes at 10°C	
Solids content	100%	ASTM D1644

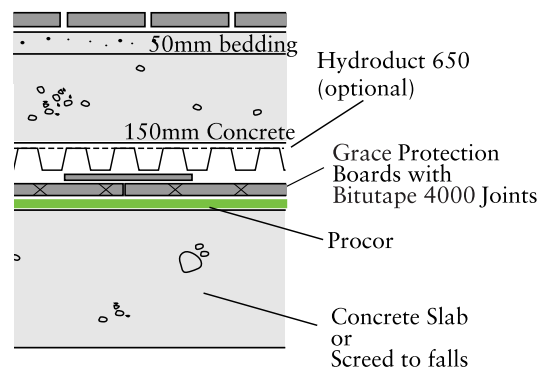
Procor® Deck System 2 - Selection of Typical Details

For additional typical details, contact Grace

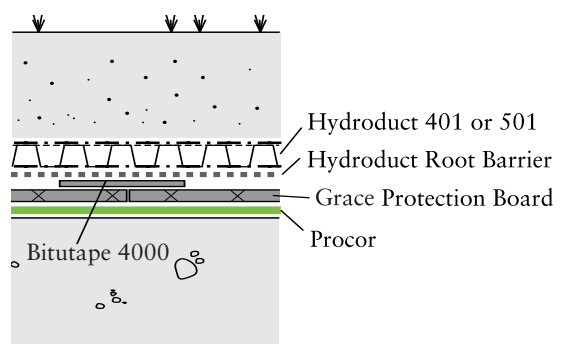
Car Park lid - Pedestrian traffic



Car Park lid - Vehicular traffic



Car Park Lid - Soft landscaping



web Visit our web site at www.graceconstruction.com

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