

Grace Procor[®] 75

Cold Applied Liquid Rubber Membrane

Description

A unique, two-component, spray applied modified latex rubber membrane invented by W. R. Grace & Co. Procor[®] 75 is for application by highly specialised licensed contractors only. It cures to form a resilient, impermeable elastomeric sheet.

Uses

Procor[®] 75 is ideally suited to basement wall tanking, foundations, lift pits, planter boxes, planter boxes, roof gardens and landscaped areas.

Procor[®] 75 is suitable for application to most masonry surfaces including concrete, pre-cast concrete, block, render and brick.

Features

- No toxic or hazardous ingredients.
- Versatile & cost effective.
- Cold applied, cures chemically.
- Quick backfill or landscaping access.
- Laminates to the surface completely.
- Install slip-sheet protection immediately.
- Waterproof - resists ponded water.
- Permanently flexible.
- Bridges cracks.
- Very fast, spray application.
- Can be applied to damp or green concrete.
- Seamless, uniform build.
- Self-priming, fast cure, rain safe.
- Systems for Total Project Specification.
- Used with Grace Bituthene[®] and Chemind membrane systems to provide a total membrane envelope.

Typical Properties

Colour	Part A – Coloured liquid Part B – White liquid
Applied Thickness	1.0 - 1.5 mm
Solids Content (ASTM D1644)	100%
Hydrostatic Resistance Over a 3 mm Crack (ASTM D5385)	20 m
Elongation (ASTM D412)	500%
Peel Adhesion to Concrete (ASTM C903)	0.9 N/mm
Peel Adhesion to Self (ASTM C903)	0.9 N/mm
Pliability, 180° Bend on a 25 mm Mandrel @ -30°C (ASTM D146)	Unaffected
Permeance-Water Vapour Transmission (ASTM E96 BW Method)	1.98 g/m ² /24 hours
Extensibility over 6.4 mm Crack – Heat Aged (ASTM C836)	Pass

Preparation

Surface to be sound, smooth, clean and free from dust, loose matter, oil, grease or other contaminants.

Fill all joints, gaps, internal corners and penetrations with Chemind Chembond modified mortar.

Use Chemind Chemflex LM polyurethane sealant to fill joints.

Procor[®]75 may be applied to green or damp concrete.

Application

Priming

To reduce out-gassing on highly porous or rough surfaces, apply one coat of Chemind Primer W or Chemind Epocote F100W clear sealer at 5 - 7 m²/litre and allow to dry.

Detailing

Detail all internal corners, outlets and penetrations with an applied 200 mm wide strip of Procor[®] 75. It should be centred over the joint or detail to give a 1.0 mm DFT.

Application of Continuous Membrane

Apply Procor[®] 75 uniformly to the surface so as to achieve a minimum dry film (DFT) of 1.0 - 1.5 mm.

NOTE

- Procor[®] can be applied at ambient temperatures between +4°C & + 38°C.
- Plan the application sequence so as to eliminate the need to walk back onto the membrane. Install Chemind Protectoboard immediately.
- The applied Procor[®] thickness is controlled with wet film thickness gauging during application.
- Procor[®] should not be used as a permanently exposed waterproofing membrane (see Surfacing options below).

Coverage

Coverage will vary according to surface texture and porosity. Minimum total usage for a 547 litre set of Procor[®]75 will be approximately 330 m² at 1.5 mm DFT.

Shelf Life

Unopened or resealed pails of Procor[®] will have a shelf life of 9 months from date of manufacture, when stored in a dry, cool place.

Surfacing

Procor[®]75 is not UV resistant but can be quickly covered with the following specific surfacing or protective systems.

- Tanking
 - ♦ Prior to placing backfill or landscaping, cover with Chemind Protectoboard, Protectodrain or Rapid Drain.
- Exposed surfaces
 - ♦ Protect Procor[®] with concrete topping or screed, paving slabs or ceramic tiles on bedding.
- Thermally Insulated Roofing
 - ♦ Use Chemind Dow Roofmate closed cell insulation board by IRMA to provide guaranteed thermal insulation and optimum performance from the Procor[®] membrane system.

Clean-up

Maintain equipment in accordance with manufacturer's instructions. Tools may be soaked in paint stripper to remove any cured membrane coating. Please review all MSDS before use.

Packaging

Procor[®]75 is packed in 547 litre sets for application by special plural component spraying equipment supplied by Chemind Construction Products.

For more information, see the  web site at www.graceconstruction.com.



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