

# Protectodrain

## Drainage & Protection Sheet

### Description

A tough, puncture resistant, flexible, UV resistant, moulded polyolefin sheeting material.

Its unique cusped design gives increased drainage ability as well as high strength, impact and damage resistance.

### Uses

Chemind Protectodrain is specially designed for the protection of all Chemind tanking membrane systems, as well as for Grace Bituthene<sup>®</sup> self-adhesive sheet and Procor<sup>®</sup> membranes.

It provides excellent low cost protection and uninterrupted drainage to basement walls, lift pit walls, retaining walls and planter box walls, as well as floors and landscaped podium decks.

### Features

- Economical material and installed costs.
- Light weight, easy to transport & handle.
- Does not apply a shear load to vertical membrane surfaces.
- Simple adhesive or tape fixing – no props or membrane damaging nails & pins are required.
- Does not absorb water or rot.
- Facilitates drainage to outlet drains.
- Conforms readily to most irregular surfaces, curved walls, columns etc.
- Suited to horizontal & vertical surfaces.
- Contains no bitumen, asbestos or phenol.
- Non-toxic to plant root systems.

### Typical Properties

Colour	Black
Structure	Dimpled Sheet
Chemical Resistance	Excellent
Elongation (ASTM D638)	> 200%
Hardness (ASTM D2240)	73 Shore D
Puncture Test	120 N
Crush Test (ASTM D2412)	38 kPa (@20% comp)
Tensile Strength	> 22 MPa

### Preparation

Installed waterproofing membranes must be carefully inspected to insure that there are no signs of damage. Repair damaged areas before Chemind Protectodrain placement proceeds.

### Application

- To the clean membrane surface, install Chemind Protectodrain sheets. Cut, score, bend fit or otherwise apply to the membrane surface.
- Hold in place with adhesive compound, waterproof adhesive tape or use Grace Bitustik<sup>™</sup> Tape adhesive strip.
- Butt join sheets to give a neat finish.
- Use Chemind Rendaflash PVC cover strip as a top edge detail, fixed at approximately 300-500 mm centres. Refer any unusual or specific application requirements to Chemind Construction Products Technical Dept.
- Protectodrain is used with Chemind Rapid-Drain to protect and facilitate drainage of all tanking.
- Do not use pins or other mechanical fasteners that may penetrate or damage the waterproof membrane.

## Coverage

Each sheet of Protectodrain will cover approx. 2.16 m<sup>2</sup>. Allow 5% wastage for cutting and loss.

Each roll of Protectodrain will cover approximately 60 m<sup>2</sup>. Allow 5% wastage for cutting and loss.

## Packaging

Chemind Protectodrain sizes are:

1.8 m x 1.2 m sheets and

1.2 m x 50 m (60 m<sup>2</sup>) rolls

## Storage

As Protectodrain is very lightweight, it should be stored in a protected area or weighted to prevent displacement by high wind. It is otherwise unaffected by short or medium term exposure to the elements.

## Shelf Life

Fully protected sheets and rolls of Protectodrain that are protected from surface contamination, will have an indefinite shelf life.



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