



# PROTECTION BOARD®

## BITUMEN IMPREGNATED COMPOSITE PROTECTION BOARDS

### DESCRIPTION

Protection Boards are puncture resistant bituminous boards, coated on both sides with a polyethylene film and fibreglass re-enforcing fabric. They form a tough, slightly flexible, abrasion resistant protection barrier to any required surface.

### APPLICATIONS

Protection Boards are recommended for use in both horizontal and vertical situations to protect surfaces from damage associated with vehicular and pedestrian traffic, backfilling and mechanical damage during the construction process.

Protection Boards can be used in conjunction with waterproofing systems for:

- Basements and Foundations
- Tunnels and Underpasses
- Underground Car parks
- Retaining Walls
- Roof Gardens
- Overlaying Flat Roofs
- Planter Boxes
- Floor Slabs
- Plaza Decks & Terraces

### ADVANTAGES

- Lightweight and easy to handle. Simple and rapid application techniques.
- Low installed cost - economic alternative to similar systems.

- Acts as a durable protection layer to conventional waterproofing. Prevents subsequent costly construction damage.
- Long service life.

### DURABILITY

#### Standards

When used in conjunction with a suitable waterproofing system, this product offers levels of protection required for below ground structures described in BS 8102:1990, grades 1, 2, 3 and 4.

#### Durability

The product is impervious to water, and when fully protected from UV exposure has a design life in excess of 20 years.

#### Resistance to Mechanical Damage and Displacement

Protection Boards are highly resistant to all forms of mechanical damage, and will resist all normal construction activities. Care should be taken during backfilling however, to avoid displacement.

### INSTALLATION

In horizontal applications, Protection Boards are loose laid with joints butted together. Joints should be over-taped with Voltex DS Seam Tape to help secure the board in place.



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For vertical applications, Protection Boards can be temporarily held in place using RX Butyl Bonding Tape. Three strips of tape should be positioned parallel to the longest side of the board and spaced evenly. Remove the plastic release paper and press the boards firmly into position. Where necessary, joints should be over-taped with Voltex DS Seam Tape to prevent aggregate and sand contaminating the protected surface.

## TECHNICAL DATA

Puncture Resistance  
ASTM E154 (3.5mm) >1500 N/32mm  
Dimensionally stable.  
Resistant to normal weathering conditions.  
Highly resistant to sulphates, chlorides and other aggressive ground chemicals.  
Non-Biodegradable

## SIZE & PACKAGING

### Materials Supplied

Standard Thickness	3.5mm
Board Dimensions	1m x 2m
Weight	9.00kg
Pallet Loading (3.5mm)	240 Sheets

## HEALTH & SAFETY

There are no health & safety implications in the normal use of this product

## NOTES

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee.

Further information is available from our Technical Department.



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