



## DATA SHEET NO. 7100-201

# PROTECTION COURSE (VIBRAFLEX® PC) Waterproofing Protection Board

### DESCRIPTION

PROTECTION COURSE (VIBRAFLEX PC) waterproofing protection board is a semi-flexible core board composed of a mineral-fortified asphaltic core between two outside layers of asphalt-impregnated fibreglass mat. The product is available in two nominal thicknesses: 3.2 mm (1/8") and 6.4 mm (1/4").

### USES

PROTECTION COURSE (VIBRAFLEX PC) is used for protection of waterproofing membranes from damage by backfill or construction traffic. Typical applications include plaza decks, roof terraces, promenade decks, pedestrian concourses, tunnels, parking garage decks, planter boxes, and foundation walls.

### FEATURES/BENEFITS

- Absorbs the impact of placing concrete or asphalt and normal jobsite traffic on waterproofed slabs.
- Protects membranes from penetration by sharp aggregate during backfilling of foundation walls.
- Fully compatible with built-up dampproofing and cold-applied or hot-applied waterproofing membranes, polysulphide liquid membranes, and sheet materials such as EPDM, butyl, neoprene rubber, etc.

### PACKAGING

Type	Nominal Thickness	Sheet Size	Weight/m <sup>2</sup> (100 ft. <sup>2</sup> )
No. 70	3.2 mm	914 mm x 1.5 m	54.2 kg (118.5 lb.)
No. 70	3.2 mm	1219.2 mm x 1.5 m	54.2 kg (118.5 lb.)
No. 150	6.4 mm	914 mm x 1.5 m	107.5 kg (237 lb.)
No. 150	6.4 mm	1219.2 mm x 1.5 m	107.5 kg (237 lb.)
No. 310	12.7 mm	914 mm x 1.5 m	31.8 kg (70 Lb.)

Custom sizes and thicknesses [4.8 mm (3/16"), 9.5 mm (3/8"), 12.7 mm (1/2")] available upon request.

### SPECIFICATIONS

- Type 70 Approved by the Ministry of Transportation, Quebec

### TECHNICAL DATA

Load required to compress Type 150 to 50% of original thickness - 19.3 MPa (2800 psi).

### PROTECTION BOARD REQUIREMENTS

	Type 70	Type 150
Puncture Strength	312 N (70 lbf) minimum	365 N (82 lbf) minimum
Thickness	2.4 to 3.9 mm (0.095" to 0.155") (Nominally)	5.6 to 7.1 mm (0.220" to 0.280") (Nominally)
Water Absorption	5% maximum	5% maximum

### APPLICATION

Install PROTECTION COURSE (VIBRAFLEX PC) to form a continuous protective layer over the membrane waterproofing. Sheets are easily cut with a roofer's knife for fitting around protrusions.

**Horizontal Surfaces ...** Use Type 70 for light duty installations.

Use Type 150 for landscaped deck areas and under coarse aggregates. Lay PROTECTION COURSE (VIBRAFLEX PC) on the membrane in accordance with membrane manufacturer's instructions. Type 70 may be laid with edges overlapping 12.7 - 25.4 mm (1/2" - 1"), both longitudinally and transversely. Lay Type 150 with edges butted, staggering longitudinal joints a minimum of 152 mm (6").

Edges of sheets adjacent to a vertical surface shall lie within 6.4 mm (1/4") of the vertical surface. Cut sheets to fit, as necessary. Alternatively, butt sheet edges and cover with fibreglass tape [152 mm (6") wide] laid in hot asphalt.

**Vertical Surfaces ...** Use Type 70 where backfill contains no coarse elements. Use Type 150 where backfill contains coarse gravel or stone. Install PROTECTION COURSE (VIBRAFLEX PC) as soon as permitted by membrane manufacturer.

Continued Over ...

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Place PROTECTION COURSE (VIBRAFLEX PC) sheets against the wall at the footing with longer dimension horizontal. Butt the sheets and hold in place while backfill is placed in 609 - 762 mm (24" - 30") lifts. Continue up the wall in similar manner, staggering the vertical joints of PROTECTION COURSE (VIBRAFLEX PC), backfilling and compacting successive lifts.

An alternative method is to adhere PROTECTION COURSE (VIBRAFLEX PC) to the membrane before placing backfill. Consult the membrane manufacturer for a compatible adhesive. Consider the use of DETAIL STRIP from W. R. MEADOWS.

#### PRECAUTIONS

If PROTECTION COURSE (VIBRAFLEX PC) is to be adhered to the waterproofing membrane, obtain membrane manufacturer's recommendation as to adhesive.

As PROTECTION COURSE (VIBRAFLEX PC) is an effective vapour barrier, do not place on wet membranes or adhesives requiring solvent evaporation.

Product is not to be used in any application where contact with a coal tar based waterproofing system is possible.

If PROTECTION COURSE (VIBRAFLEX PC) is to be nailed to a vertical surface, obtain membrane manufacturer's approvals and recommendations for sealing resulting membrane punctures.

Where taped joints are used with tape set in hot asphalt, consult membrane manufacturer regarding compatibility, etc.

Use only rubber-tired construction equipment.

It is advisable to cover PROTECTION COURSE (VIBRAFLEX PC) within 48 hours after installation. Exposure of the complete waterproofing system to continuous jobsite damage should be limited to as short a time as possible.

If PROTECTION COURSE (VIBRAFLEX PC) is left exposed to the elements for an extended period of time, it will oxidize slightly on the surface and turn a grey colour. This will not impede its performance as a protection board. However, it should be covered as soon as possible.

Flood coat PROTECTION COURSE (VIBRAFLEX PC) with roofing asphalt whenever it will be exposed or partially exposed on a permanent basis to the elements, e.g., under concrete pavers or under a gravel drainage course.

#### MASTERFORMAT NUMBER AND TITLE

07 10 00 – Dampproofing and Waterproofing

#### LEED INFORMATION

May help contribute to LEED credits:

- MRC9: Construction and Demolition Waste Management

For most recent data sheet, further LEED information, and SDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).



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