

# PROTECTION BOARD



## Description

Protection Board is a pre-formed bituminous board modified with a special rigid compound.

It is used to protect the waterproofing during backfilling procedures (retaining walls, fixed pavements, cast concrete, etc..) and construction traffic.

Also available with mineral slate finish, used as a protective walkway to waterproofing layer on roofs.

Protection Board is used also for refurbishment works, as a new supporting element (6 mm version), mechanically fixed.

The product is totally compatible with all products from the Pluvitec range.

## Uses

1. Protection Board is used as a protective layer during backfilling for areas below the ground, for example basements, foundation walls, etc.
2. Used to avoid damage during construction traffic.
3. Protects horizontal areas before laying of concrete, etc.
4. Protects the waterproofing layer of foundation walls, parking decks, terraces, flower boxes, concrete slabs, etc.
5. Protective walkway to avoid damage to waterproofing layer on roofs against foot traffic to inspect air conditioning units, machinery, etc.. Mineral slate finished version.
6. Can be used as a support element for refurbishment of the waterproofing in the 6 mm version mechanically fixed.

Pluvitec Protection Board also maintains and protects not only during the backfilling procedures but also over time and eventual settlement.

## Environment test (ASTM D543) Health Hazards

Protection Board is resistant to sulphates, phosphates and chlorides which can be found in normal ground water, the thickness of the board does not affect its resistance.

During normal usage of the board, no associated health hazards are involved, it is suggested to use protective gloves during application.

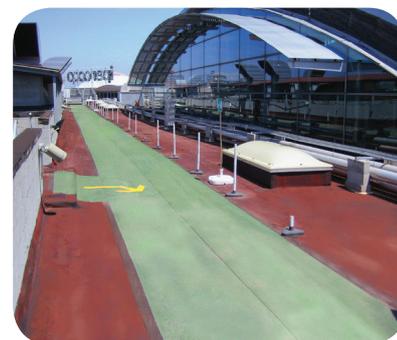
## Factors

- Resists and protects against normal site traffic.
- Resists to normal chemicals found in the soil, chlorides, lasts, etc.
- Very high resistance to puncture.
- Protects while pouring concrete slab, etc.
- Is water impermeable and resists to vapor transmission.
- Is compatible with most commonly used waterproofing methods.
- Resists normal impact during backfilling procedures.
- Not affected by repeated immersion in ground water, rot-proof.
- Applied by torching.

- Suitable for mechanical fixing (6 mm version).

Protection Board can be applied both loose laid and by torch or mechanically fixed.

Can be glued using PRATIKO MASTIC. For correct usage and information concerning the product, the Pluvitec Technical office is available to answer any questions.



## Technical data

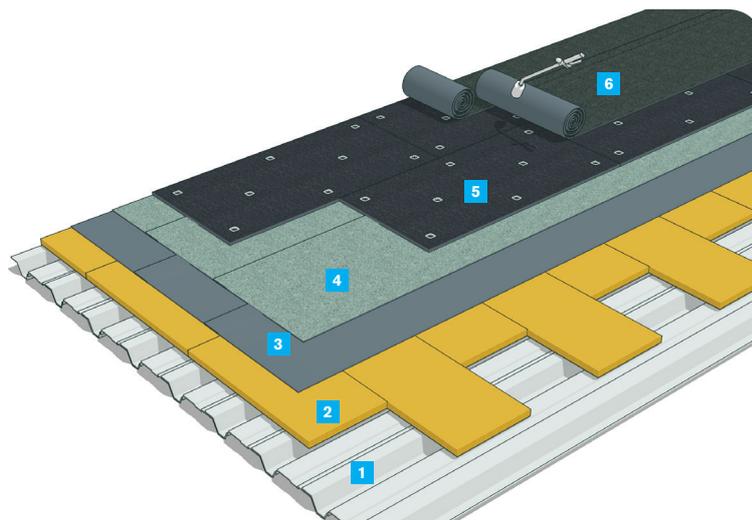
Technical characteristic	Norm	Unit	Values			Tolerances
<b>Thickness</b>	EN 1849-1	mm	3,2	4	6	±5%
<b>Dimensions</b>		m	2 x 1			
<b>Type of compound</b>			APP			
<b>Softening RingBall</b>	ASTM D36	°C	130			≥ 120
<b>Density</b>	DEN 1/99	g/cm <sup>3</sup>	1,53			1,5 ±0,1
<b>Penetration at 25°C</b>	EN 1426	1/10 mm	13			8-15
<b>Mass x unit area</b>	EN 1849-1	kg/m <sup>2</sup>	4,8	5,9	9,3	±10%
<b>Static puncture resistance</b>	EN 12730	kg	20			≥
<b>Reaction to fire</b>	EN 13501-1		F			
<b>Boards per pallet</b>			300	250	150	

Sizes & packing may vary depending on the type of transportation.

## Application types:

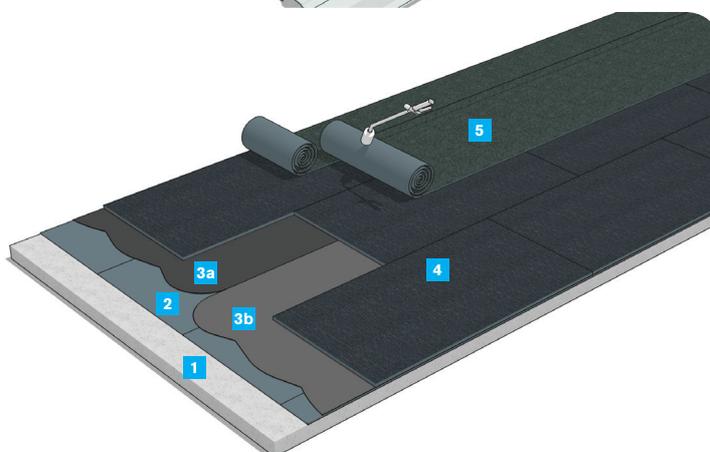
### Re-covery Board

1. Corrugated metal sheet
2. Insulation boards
3. Existing plain membrane
4. Existing mineral cap sheet
5. Protection Board mechanically fastened
6. New mineral cap sheet



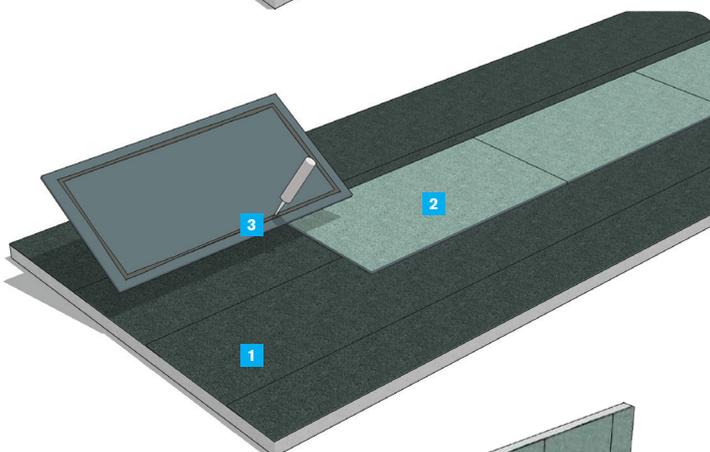
### Base Layer

1. Concrete
2. Existing waterproofing membrane
- 3a. TH3 BLOCK
- 3b. SPT66 BLOCK
4. Protection Board
5. New mineral cap sheet



### Walkway

1. Mineral cap sheet
2. Protection Board walkway
3. Application with Pratiko Mastic



### Protection of foundation waterproofing

1. Dimpled faced membrane for foundations
2. Protection Board

