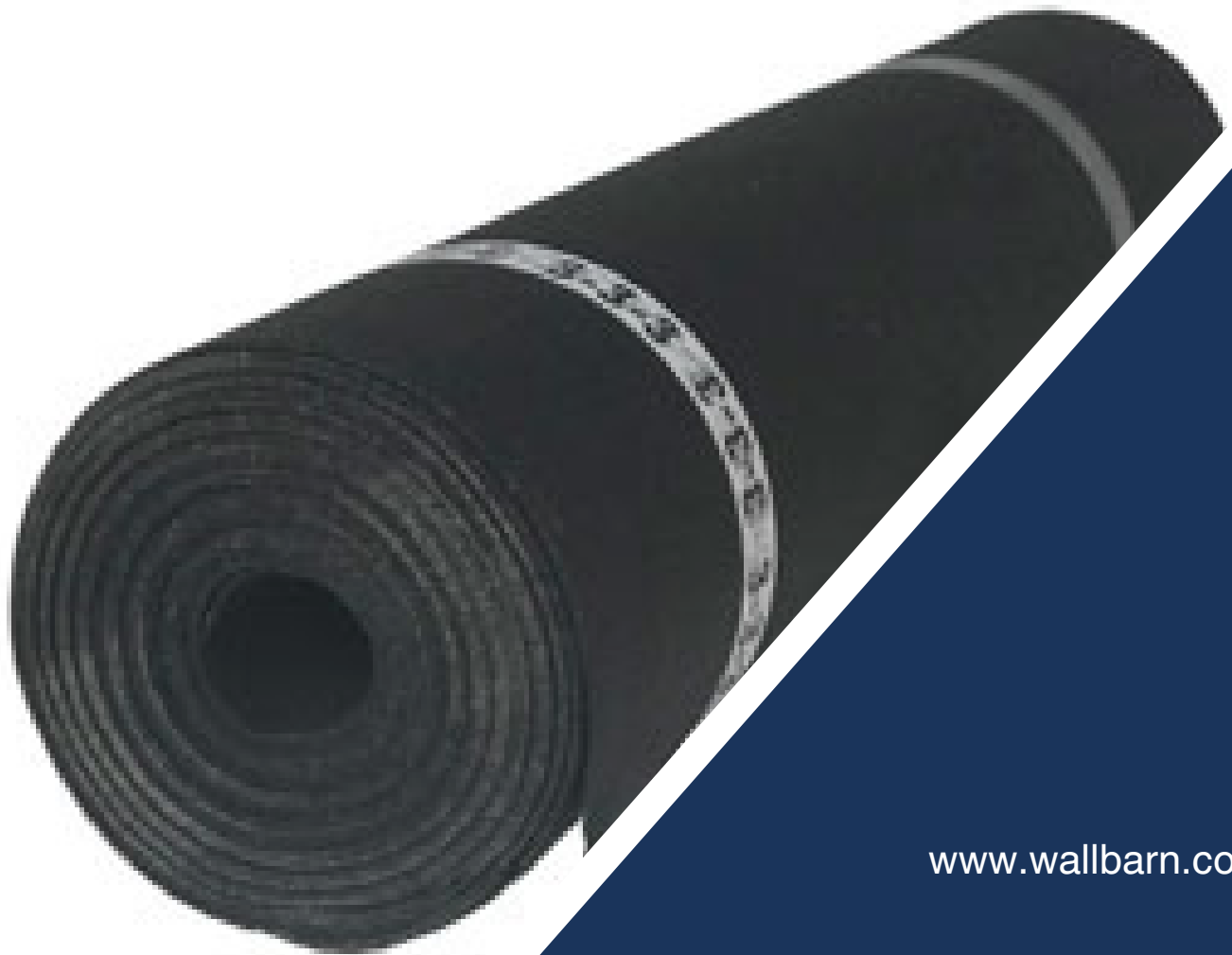




**PROTECTO-BOARD  
&  
PROTECTO-MAT**



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## Protecto-Board

This semi flexible board is a convenient way to ensure adequate protection to waterproofing membranes against damage caused by site traffic, other trades, mechanical damage and ground settlement. Made from a mixture of fibres saturated with at least 75% bitumen.

Bituminous Protecto-board is completely waterproof and provides superior impact and abrasion resistance. Bituminous Protecto-Board is ideal for vertical applications since it can be heat bonded, providing very good adhesion.

Wallbarn Bituminous Protecto-board is available 3mm and 6mm thick. Protecto-board is ideal for protection against backfill on vertical waterproofing; against other site traffic and works during the construction process; against ground movement in foundation wall structures; on green roofing; as a recovery board for overlaying existing systems, and as permanent protection layer on more delicate horizontal membranes.

# Applications

Protecto-board is lightweight and easy to handle. It can be used on both horizontal and vertical applications and can be bonded directly onto the waterproofing membrane without interfering with the seal. It is covered one side with a polyethylene film, meaning the bitumen does not bleed during storage or after application onto other surfaces.

It is very easy to handle and apply. The boards will tolerate high temperatures so can be laid directly into hot melt waterproofing membranes without issue. The boards can be spot bonded or fully bonded to the membrane beneath or loose laid and taped around the edges of each board. They can also be mechanically fixed to the surface beneath. Protecto-board can also be torch applied. The boards are flexible and adaptable and can be folded and cut easily to give accurate detailing.





# Applications cont'd

Bituminous Protecto-board is designed to be user friendly and easy to install. It has been used successfully on basement tanking, podium decks, roofs, tunnels, waterways and civil engineering projects. By installing a protection membrane applicators can have an added assurance that waterproofing membranes will be protected over time.



The boards are flexible enough to manipulate and shape around particular details. The sheets can be scored or cut with a sharp knife to fit around corners and multiple layers can be fitted on top of one another to give extra protection on susceptible areas. It is a highly adaptable product. It can be spot bonded using adhesive, fixed with double sided bitumen tape, or heat bonded to the surface. Multiple sheets can be bonded together to form a uniform layer, and because of its light weight, it can be held in the vertical position in the long term.

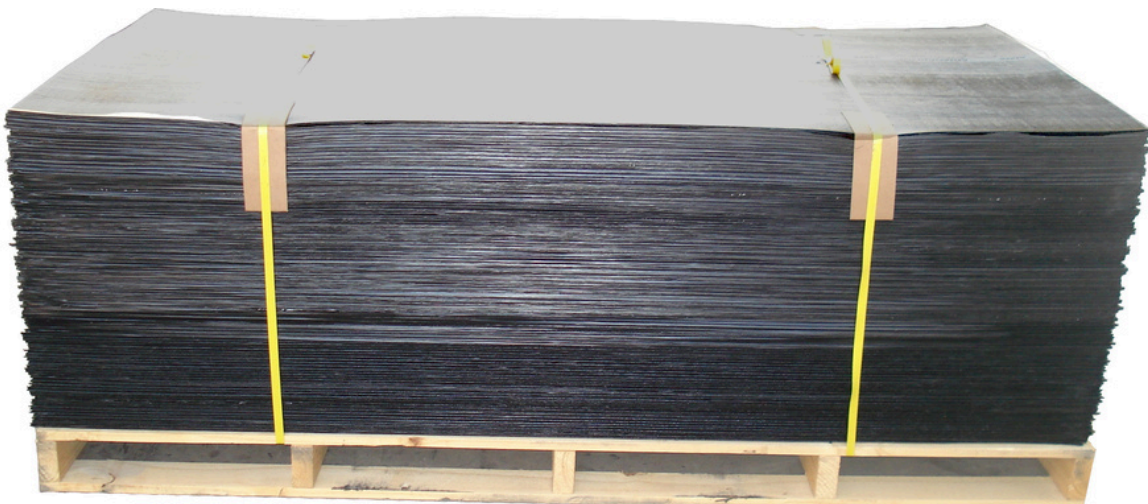
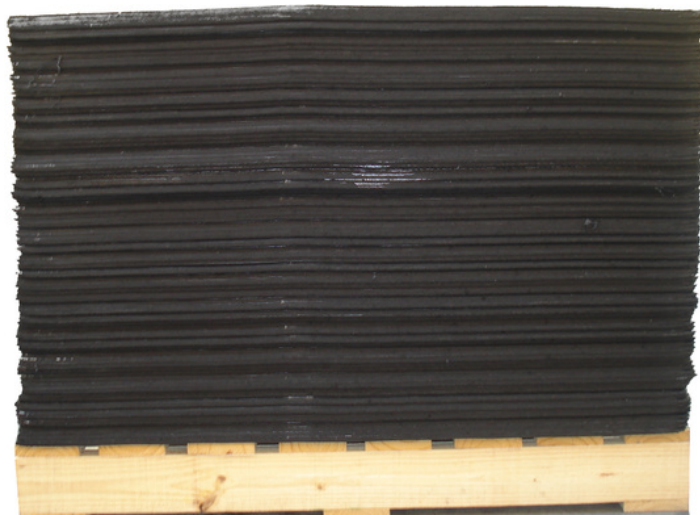
Bituminous Protecto-board can be used as a permanent layer, part of the waterproofing system, or as a temporary protection which is removed after the passing trades have finished. These boards are very tough and durable and can withstand concrete pour easily. The boards are rot-proof and will not delaminate even when immersed in water, unlike many card fibre based protection boards on the market. They are intended to provide long term protection for waterproofing systems.

# Delivery

Protecto-board is supplied in 1m x 2m sheets and packed onto double size pallets for effective movement to site. The pallets hold 200 x 3mm sheets or 100 x 6mm sheets.

The pallets are tightly strapped and mechanical lifting equipment is recommended to offload. Each sheet is covered both sides with a polythene film which prevents the boards sticking together on the pallet in warmer temperatures. None of the bitumen will bleed out, so issues such as liquid bitumen or fumes affecting applicators is avoided.

Protecto-board can be left exposed for a certain period of time and will not delaminate when coming into contact with water.







## Protecto-Mat

Wallbarn Rubber Crumb Protecto-mat is a very flexible and easy-to-install protection membrane for use on a large variety of surfaces, applications and membranes. It is durable and tough and has a density of 950 kg/m<sup>3</sup>. It has been developed and selected for waterproofing systems where bituminous protection boards are not compatible, such as Polyurethane or PVC single ply membranes.

It protects the waterproofing membrane both during the construction process from damage caused by abrasion, point loading, blunt materials, backfilling and concrete casting; and can also form part of a long-term after completion as a permanent protection, thus ensuring and extending the lifespan of the membrane.

It is manufactured in a non-rigid roll format from rubber crumb, sourced from recycled rubber. This makes it one of the greenest and sustainable protection membranes on the market. The rubber crumb particles are bound together with a mixture of polyurethane resins to form a strong membrane which will not delaminate when exposed to the elements.

# Applications

It is ideal for horizontal and vertical surface protection for applications such as podium decks, green roofs, regularly trafficked roofs, inverted roofs, parking areas, walkways, on maintenance areas; in underground waterproofing such as foundation walls, basements, drains, tunnels, and ditches.

It is lightweight and non-toxic to handle, making it a much better prospect for site handling than other protection boards. It is strong enough to tolerate concrete pour and the application of hot materials straight onto its surface.

Wallbarn Protecto-mat is ideal for vertical surfaces and detailing and can be easily cut using a sharp knife and shaped around particular corners and details.





# Applications cont'd

Protecto-mat rubber crumb membrane comes in rolls rather than sheets. It is important that each roll is overlapped. Wallbarn advises that rolls are overlapped by at least 8cm during installation, to ensure the whole area is fully protected. It is important to ensure that each roll is fitted securely to the next roll.

It is recommended that applicators seek the advice of the manufacturer of the waterproofing membrane on the best way to secure the protection.



This membrane is completely rot-proof. It can be immersed in water without risk of delaminating or compromising its performance.





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