



# AIWIN Protection Boards



ISO 9001

## DESCRIPTION

**AIWIN** Protection Board is a strong flexible material constructed from base of non woven polyester or fiber glass felt which has been impregnated and coated with a mixture of bitumen modified with plastomers and additives. The combined properties make **AIWIN** Protection Board resistant to mechanical shock and chemical reaction. The lower surface is covered with a high density polyethylene film and the upper surface with fine sand or high density polyethylene film. **AIWIN** Protection Board is available in form, one meter wide x two meters length or other lengths upon request. **AIWIN** Protection Board is strong flexible and can be 'formed' around curved or rounded surfaces. **AIWIN** Protection Board whilst not designed as a waterproofing material is impervious to water, thereby giving additional overall security to any waterproofing system.

## GENERAL

**AIWIN** Protection Board has been specially developed to provide a strong protective barrier to delicate waterproofing systems, thus preventing penetration by sharp aggregate during backfilling operations and damage from light construction traffic.

## USES

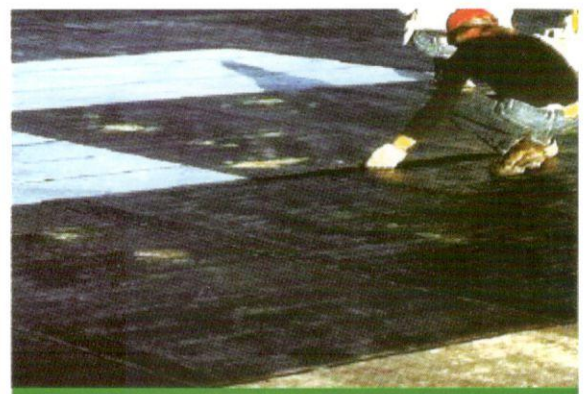
Typical uses for **AIWIN** Protection Board include foundation walls and between slab construction such as parking garage decks, planter boxes, pools kitchens, bathrooms, plaza decks, roof terraces, tunnels and promenade decks, etc.

## APPLICATION

**AIWIN** Protection Board is installed to provide a continuous protective layer over the waterproofing membrane. On horizontal surfaces, the material is simply unrolled and butt jointed to successive lays, trimming around any projections with a sharp knife. On vertical surfaces the material should be temporarily held in place or fixed with an adhesive compatible with the waterproofing Board. If necessary, joints may be covered with suitable gusset tape.

Alternatively, **AIWIN** Protection Board may be welded in position by heating its lower surface with a propane torch during unrolling, taking care to avoid damage to the waterproofing material with the naked flame. **AIWIN** Protection Board may also be mechanically fixed to the concrete, by fasteners, fixed at least 6-8 inches above the waterproofing membrane.

Specification	3 mm	4 mm	5 mm	6 mm
Nomina Thickness	3	3	3	3
Sheet Dimensions	200 x 100	200 x 100	200 x 100	200 x 100
Total Weight	3-3.6	4-4.6	5-5.6	6-6.6
Bitumen Content	>75%	>75%	>75%	>75%
Softening Point Bituminous Compound	115-130	115-130	115-130	115-130
Penetration Bituminous Compound	5-10	5-10	5-10	5-10
Polyethylene Film	7-15	7-15	7-15	7-15
Water Impermeability (UNI 8202 p.21)	impermeable	impermeable	impermeable	impermeable
Chemical Resistance	Good	Good	Good	Good
Static Punching (UNI 8202 p.11)	Ps 4	Ps 4	Ps 4	Ps 4
Dynamic Punching (UNI 8202 p.12)	PD 4	PD 4	PD 4	PD 4



**AIWIN**

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