



AIWIN PROTECTION BOARD

BITUMEN PROTECTION MEMBRANE



Description:

AIWIN PROTECTION BOARD is a strong flexible material constructed from base 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, hereby giving additional overall security to any waterproofing system.

Standard:

ASTM D6506-01

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.

Provide a strong protective barrier to delicate waterproofing systems, thus preventing penetration by sharp aggregate during backfilling operations and damage from light construction traffic.

Application Instruction:

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 membrane. 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.

Health & Safety:

- Roofing torches have been successfully used for many years how ever since an open flame is present, fire Extinguishers should be available in the site
- Labor should wear personal protective tools such as gloves and goggles during application



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TECHNICAL SPECIFICATIONS

CHARACTERISTICS	STANDARD	VALUES			
		3	4	5	6
NOMINAL THICKNESS (mm)	ASTM D6506/EN13969:2004	3	4	5	6
SHEET DIMENSIONS (cm)	ASTM D6506/ EN13969:2004	200 X 100	200 X 100	200 X 100	200 X 100
TOTAL WEIGHT (kg/m ²)	ASTM D6506/ EN13969:2004	3 – 3.6	4 – 4.6	5 – 5.6	6 – 6.6
INSIDE CARRIER		Polyester	Polyester	Polyester	Polyester
FLEXIBILITY AT 25 °C	ASTM D5147/ EN1109	Flexible	Flexible	Flexible	Flexible
BITUMEN COMPOUND	ASTM D5147/ EN13969	> 70%	> 70%	> 70%	> 70%
SOFTENING POINT	ASTM D36/ EN1427	≥120 °C	≥120 °C	≥120 °C	≥120 °C
PENETRATION	ASTM D5147/ EN1426	5-10	5-10	5-10	5-10
STATIC INDENTATION RESISTANCE @25kg	ASTM D5602/ EN12730	Not perforated class L4	Not perforated class L4	Not perforated class L4	Not perforated class L4
WATER IMPERMEABILITY	ASTM D5147 / EN1928	Impermeable	Impermeable	Impermeable	Impermeable
CHEMICAL RESISTANCE		Excellent	Excellent	Excellent	Excellent
PUNCTURE STRENGTH	ASTM D5602/ EN12691	312 N	312 N	350 N	365 N
STORAGE	Protection board should be stored in shaded area don't stack one pallet on top of the other				
VOC (PPM)		<50	<50	<50	<50

This product data sheet supersedes all previous data publication pertaining to this product
Variation of ±5% in thickness, ±10% in weight, and 20% in tensile and 15% in elongation is acceptable according to ASTM and EN standards
Aiwin reserve the right to change said values without advance notice but without affecting the quality of the product