

ARMOURPLAST APP



THE COMPLETE ROOFING SYSTEM

The Armourplast Modified Bitumen System is a complete, self-contained roofing or waterproofing system. By employing the membrane components of the system according to IKO's recommended application techniques, applications may be achieved over a wide variety of substrates on roofs of many designs or shapes.

Armourplast modified bitumen roofing and waterproofing systems deliver superior performance and excellent protection. They can be used as a two-ply system that is quickly installed, easy to maintain, and highly cost-efficient.

SIMPLE TO APPLY

Armourplast is applied by heat-welding the membrane, fusing it to a substrate, and using the same heat-welding technique to heat weld the seams. It installs easily over existing asphalt membranes (primed) with no additional asphalt or adhesives. Armourplast is compatible with existing BUR products and can be applied in the same way as any ordinary heat-welded elastomeric roofing system.

EASY MAINTENANCE

Easy inspection allows damaged areas to be readily identified, and repairs may be performed with a hand torch and round-nosed trowel.

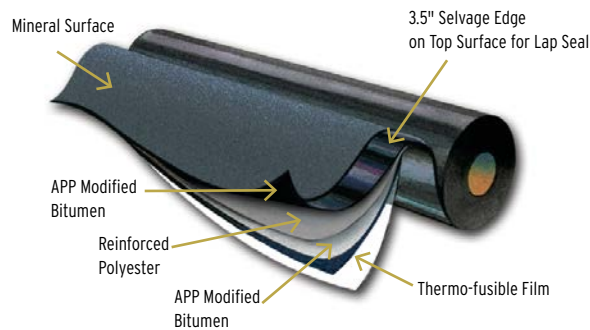
TOUGH, LONG-LASTING CONSTRUCTION

Armourplast is made from a strong, non-woven, reinforced polyester mat which is coated with APP modified bitumen. Atactic Polypropylene (APP) is a plastic-based chemical that endows the asphalt with some amazing qualities:

- Superior toughness
- Excellent moisture resistance
- Greater protection against ultraviolet radiation

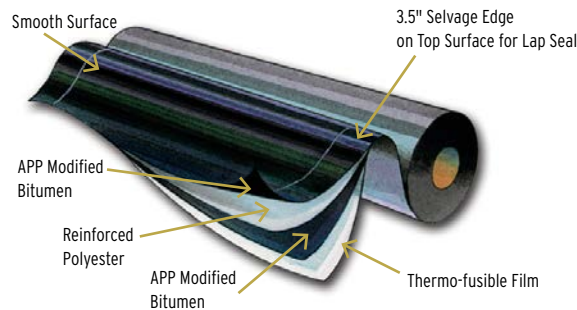
Armourplast is a long-lasting, durable membrane which can be applied to a wide variety of surfaces on roofs of almost any shape or design.

ARMOURPLAST GRANULAR



A tough, non-woven, reinforced polyester mat, coated and permeated on both sides with Armourplast APP modified bitumen, and covered with ceramic-clad mineral granules firmly embedded in the upper surface, to a nominal thickness of 4.0 mm (158 mil). The mineral granules provide a tough weather-resistant surface for superior protection against accelerated aging caused by ultraviolet rays. A thin, light, protective thermo-fusible film (which will disappear during heat-welding), is bonded to the underside of the membrane.

ARMOURPLAST CLASSIC



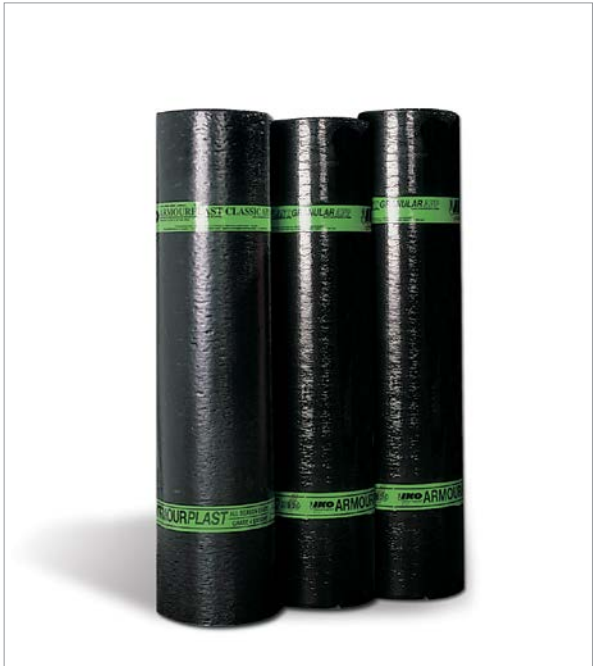
A tough, non-woven, reinforced polyester mat, coated on both sides with Armourplast modified bitumen, to a nominal thickness of 3.8 mm (150 mil). A thin, light, protective thermo-fusible film (which will disappear during heat-welding), is bonded to the underside of the membrane.



ICC-ES ER-5967



Membrane for roofing systems as to an external fire exposure only. See UL directory of products certified for Canada and UL roofing materials and systems directory 342M.



PROTECTION FROM THE ELEMENTS

Used as recommended, Armourplast systems provide superior protection against water leakage and extreme weather variances. Ceramic-clad mineral granules are embedded into the top surface of Armourplast Granular for greater resistance to damaging ultraviolet rays. Armourplast Classic APP roofing systems require a compatible coating applied no sooner than thirty (30) days nor later than ninety (90) days after completion of the roof.

QUALITY ASSURANCE

Armourplast is manufactured under stringent quality control test requirements, involving continuous testing and product research. Before the finished product leaves the plant, it will have displayed high tensile strength, optimal granule adhesion, high fatigue endurance, exceptional resistance to aging and weathering, and excellent puncture resistance.

SETTING THE STANDARD

IKO's modern manufacturing facilities feature the most technologically advanced equipment combined with the latest European technology. All plant valves and switches are pressure sensitive, allowing the operator to more precisely control the conditions of manufacturing. The mixing room utilizes the latest digital processing control equipment. Mixers are regulated by a processing control unit that governs the speed and the duration of the mixing cycle. It also controls temperature automatically and gives a digital readout of the temperature throughout the process, ensuring a consistent, high-quality product. The Quality Assurance system in place at the manufacturing facility has been independently registered as conforming to the ISO 9001:2008 Registered Facilities Quality Standards. Registration to this thorough international standard, combined with IKO's commitment to setting the standard, ensure optimum product performance and customer satisfaction.

CHARACTERISTICS

	Type of Asphalt	Nominal Thickness mm (mil)	Reinforcement		Surface Finish		Product Size m (ft.)	Coverage m ² (sq. ft.)	Colour	Application
			Type	g/m ² (lb/100ft ²)	Top	Bottom				
Armourplast Granular*	APP	4.0 ¹ (158)	Reinforced Polyester	180 (3.7)	Granules	Thermo-fusible Film	1 x 10 (3.28 x 32.8)	9.1 (98)	Black, Brown Charcoal Grey	Heat-Welded
Armourplast Classic*	APP	3.8 ¹ (150)	Reinforced Polyester	180 (3.7)	Smooth	Thermo-fusible Film	1 x 10 (3.28 x 32.8)	9.1 (98)	n/a	Heat-Welded

¹ Armourplast Granular and Armourplast Classic are available in other thicknesses by special order. NOTE: All values shown are approximate. * Available from Brampton plant only.