

Air-Bloc 06

Elastomeric Air & Vapour Barrier Membrane

Physical Properties

-Colour	Black	-Water Vapour	2.2 mm wet film
-Solids by Weight	62%	Permeance	1.2 ng/Pa.m ² .s
-Weight	0.9 kg/l	(ASTM E96)	(0.02 perms)
-Coverage	2.2 l/m ²	-Air Permeability	
-Drying Time	@ 50% R.H. 20°C (68°F)	(Applied at 2.2 l/m ² l to a	
Tough Dry	4 Hours	concrete block wall,	
Firm Dry	48 Hours	Tested at 21°C)	
-Service Temp	-40°C to 60°C	<u>Pressure (Pa)</u>	<u>Air Leakage Rate (L/s.m²)</u>
-Application Temp	-12°C Minimum	75	0.000177
-Tensile Strength (ASTM D412)	480 kPa (typical)	100	0.000199
	(70psi)	150	0.000235
-Elongation (ASTM D412)	1200% (typical)	300	0.000312
-Recovery	75% (typical)	1000	0.00212
(CAN/CGSB 37.58 M86)		3000	0.00655
-Extensibility After Heat Aging (ASTM C836-76)	No cracking or tearing	-Resistance to Gust Wind Load	Resists a suction pressure of 3000 Pa maintained for 5 seconds with no increase in air leakage rate when tested at 75 Pa.
-Chemical Resistance	Resists salt solutions, mild acids and alkalis. Non-resistant to oil, grease or solvents.	-Resistance to Sustained Wind Load	Resists a suction pressure of 1000 Pa maintained for 1 hour with no increase in air leakage rate when tested at 75 Pa.
-Watertightness (CAN/CGSB-37.58-M86)	Pass		

Description

Air-Bloc 06 is a single component elastomeric bitumen, liquid membrane designed to provide an air barrier when applied to construction surfaces. Cures to provide a tough monolithic, rubberlike membrane which resists air leakage.

Features

- Cold applied by trowel or spray.
- Excellent adhesion to most construction surfaces such as masonry, concrete, stone, wood, gypsum board and metal.
- Seals around projections such as brick ties.
- Cures to a flexible and elastic film with crack bridging capabilities
- Provides a seamless, monolithic membrane

Uses

Used to provide an air, vapour and rain barrier on construction surfaces such as masonry, concrete and gypsum board.

Packaging

Air-Bloc 06 is packaged in 18.93L pails or 205L drums.

Air-Bloc 06 Elastomeric Air & Vapour Barrier Membrane

Limitations

Not designed to perform as a permanently exposed surface. Good construction practice calls for application of insulation as soon as possible after the membrane has cured to protect the membrane from damage by other trades.

Avoid use in area where solvent vapours may taint food or other susceptible products.

Solvents in product attack polystyrene insulation. The membrane should be allowed to cure for a minimum of 96 hours before polystyrene insulation is placed in direct contact.

Preparation

All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar or other contaminants. New concrete should be cured for a minimum of 14 days before **Air-Bloc 06** is applied. Concrete surfaces should be free of large voids and spalled areas.

Joint & Crack Treatment

Joints between panels of exterior grade gypsum, plywood and rigid insulation up to 6 mm (wide shall be filled with a trowel application of **Air-Bloc 06** and reinforced with a strip of 50 mm wide glass fibre tape such as Bakor **990-06Yellow Jacket** prior to application of liquid membrane. Joints between panels of exterior grade gypsum or plywood wider than 6 mm should be sealed with **Blueskin**[®] membrane adhered to the substrate.

Cracks in masonry and concrete up to 6 mm wide shall be filled with a trowel application of **Air-Bloc 06** and allowed to cure overnight prior to application of the liquid membrane to the surface, or alternatively, the cracks may be sealed with a strip of **Blueskin**[®] membrane applied to the substrate. Cracks wider than 6 mm should be sealed with **Blueskin**[®] membrane adhered to the substrate lapped a minimum of 75 mm on both sides of the crack.

Surfaces should be tied in with beams, columns, window and door frames, etc., using strips of **Blueskin**[®] lapped a minimum of 75 mm on both substrates. Mechanical attachment should be made to all window and door frames, or a properly designed sealant joint provided.

Application of Membrane

Refer to **Air-Bloc 06** Guide Specification for detailed application information.

Material should be conditioned at room temperature for ease of application. **Air-Bloc 06** does not require a primer. **Air-Bloc 06** should be applied by trowel or spray at a minimum wet thickness of 2.2 mm

Care should be exercised to ensure full contact of the coating around protrusions such as brick ties at the point of contact with the wall.

Application of Insulation to Membrane

Insulation Adhesive: 230-21 Rigid Insulation Adhesive should be applied to the insulation boards in a serpentine pattern to restrict movement of air behind the insulation. Alternatively, apply full coat notched trowel application of **230-21 Rigid Insulation Adhesive** to the back of the board. Press insulation firmly in place.

Clean Up

Use mineral spirits or citrus based cleaners.

Caution

Contains flammable solvents. Take suitable fire precautions. Do not allow smoking or welding in working area. Keep away from heat and open flame. Use in well ventilated areas. Keep containers covered when not in use. Harmful if swallowed.

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