

Air-Bloc 31 Liquid Emulsion Vapour Permeable Air Barrier Membrane

Uses

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

Limitations

Not designed to perform as a permanently exposed surface. Must be protected from damage during construction. Do not apply to wet surfaces. Following installation of Air-Bloc 31 in new building construction, CMU walls where Air-Bloc 31 has been applied must be protected at the roof line to prevent water infiltration into the wall cavity.

Ambient Conditions

Air-Bloc 31 shall not be applied when ambient (air) and substrate temperatures are below 5°C. The product should not be applied if it is raining, or if the possibility of rain is likely within 24 hours. The product should not be applied if it is expected that the ambient temperature will fall below 0°C within 48 hours.

Surface Preparation

The application can be carried out 16 hours after the forms have been removed from poured concrete. Mortar joints in concrete block and form tie holes/voids in poured concrete shall be filled flush and smooth, and allowed to cure for a minimum for 24 hours. Surfaces may be damp but not wet and must be clean, free from frost, grease, dirt, or other contaminants and must be reasonably smooth. Damp concrete or masonry must not be inhibited from drying out by allowing exposure of the back side to moisture or rain. If the substrate remains damp for a prolonged period, cure-out of the Air-Bloc 31 will be retarded leaving the membrane prone to damage by rain.

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 31** and reinforced with a strip of 50 mm wide glass fibre tape such as **Bakor 990-06 Yellow 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 primed substrate.

Cracks in masonry and concrete up to 6 mm wide shall be filled with a trowel application of **Air-Bloc 31** 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 primed substrate. Cracks wider than 6 mm should be sealed with **Blueskin**[®] membrane adhered to the primed 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 primed substrates. Mechanical attachment should be made to all window and door frames, or a properly designed sealant joint provided.

Application

Air-Bloc 31 may be applied by brush, however application by conventional air spray is the preferred method. The material should be applied at a rate of 2.2 L/m² to give a wet film thickness of 2.2 mm (90 mils).

Air-Bloc 31 can be applied in a single coat. The preferred method of application is to mark areas off and ensure that the appropriate volume has been sprayed over this area. During spraying, the material should be applied in horizontal strokes ensuring even application of the product, and then applied in vertical strokes, again ensuring even application.

Clean Up

Spray equipment can be flushed out with water. Use mineral spirits to remove dried films.

Avoid Freezing

During storage, application and before material has cured.

Caution

DO NOT TAKE INTERNALLY! Use protective measures to avoid contact with eyes and skin. If swallowed, **CALL PHYSICIAN IMMEDIATELY!** In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. **GET MEDICAL ATTENTION!** Do not heat container or store at temperatures greater than 49°C. Close container after each use. **KEEP OUT OF REACH OF CHILDREN.**