

Air-Bloc 21 Air & Vapour Barrier Insulation Adhesive

Limitations

The components used in **Air-Bloc 21** do not attack polystyrene insulation at ambient temperatures below 40°C. Polystyrene insulation may be affected by solvent system in uncured **Air-Bloc 21** if temperatures are in excess of 40°C (104°F) at time of application. Use mechanical fasteners when installing ceiling insulation. Plaster or other wall finishes must not be applied over the insulation without providing additional support such as mechanical fasteners. Do not use as an insulation clip adhesive. Not designed for permanent exposure. Insulation must be installed into wet film immediately or blistering of membrane may occur.

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 21** 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 21** 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 substrate.

Cracks in masonry and concrete up to 6 mm wide shall be filled with a trowel application of **Air-Bloc 21** 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

Refer to **Air-Bloc 21** Guide Specification for detailed application information.

Apply by trowel a continuous unbroken film of **Air-Bloc 21** at a wet thickness of 3 mm to the surface. Immediately press insulation firmly into place to ensure complete contact.

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

Cure rate is dependent upon temperature and porosity of the surface and insulation being bonded.

Clean Up

Use mineral spirits or citrus cleaners.

Caution

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

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