



## Bay Insulation Systems Technical Bulletin 001: **Air Barriers and Insulation Vapor Retarders**

### Are air barriers required?

Yes. The 2016 ASHRAE 90.1, ASHRAE 189.1, and IECC codes are now calling for air barriers.

### What are methods for compliance?

1. Materials Compliance Option: Lamtec Insulation Vapor Retarders pass the ASTM E2178 test as an approved air barrier.
2. Assembly Compliance Option: Lamtec Insulation Vapor Retarders' standard assemblies have performed well and were within the required leakage requirements in the MBMA tests to determine if standard metal building roof and wall assemblies pass the air infiltration requirements.
3. Whole Building Compliance Option (Air Blower): this is probably the most difficult of the three options. For this option final compliance is the passing of an Air Blower test. If the building fails the blower test, the contractor must fix and seal joints and then test again until it passes. If this option is selected for compliance the contractor cannot switch to the Materials or Assembly option for compliance.

### Can the traditional assemblies meet the air barrier requirements?

Yes, as mentioned before Lamtec Insulation Vapor Retarders are ASTM E2178 compliant. However, IECC requires that all joints be sealed.

The air barrier material is only one component of an air barrier system. Bay and Lamtec do not make any claims regarding the overall air leakage of the building or the installed air barrier system.

**Questions? Contact your Bay District Manager.**