

Why Use An Air Barrier?

Synopsis from 31 different independent & governmental sources

#1. “In fact, air barrier systems in nonresidential buildings are estimated to **reduce air leakage by up to 83%, save on gas bills by more than 40% and cut down on electrical consumption in excess of 25%**, according to simulations by the National Institute of Standards and Technology (NIST) of typical buildings without air barriers.”

#1. Save Energy \$

#2. “Uncontrolled air leakage can negatively affect the operating cost, day-to-day operation and life span of a building. For example, the escape of conditioned air, both in winter & summer, causes building mechanical systems to work harder to condition the occupied spaces. **Yet with a proper air barrier system in place, it is possible to reduce the mechanical equipment size** – a savings which could very well offset the cost of additional enhancements to the building envelope.”

#2. Save \$\$\$\$\$\$ on initial construction costs

#3. “In addition, **air barriers keep pollutants out of building interiors** more effectively than other types of construction approaches, which greatly helps improve the indoor air quality (IAQ). **Air barriers also help prevent water vapor** – which can condense and turn into liquid water, **a key ingredient in corrosion & mold growth** – from being transported by the air movement between the exterior and interior of the building envelope.”

#3. Healthier more productive employees and students, less sick days, prevents mold growth leading to less allergies & more alert occupants.

#4. It is Best Practice for the environment and the HSW of the building occupants.

NOTE: For an electronic non-proprietary, 3 part CSI formatted specification, please contact me.

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