

Building Science

Designing all of the components of a building to work together has become known as Building Science or a Systems Approach. The Systems Approach is a method of design, construction, inspection, and testing that considers how all building components interact, including the foundation, envelope, openings, and mechanical systems.

Building Science emphasizes the following principles:

- Creating a continuous air barrier along with proper mechanical ventilation;
- Moisture management;
- Improved indoor air quality;
- Proper layout, design & zoning; and
- Appropriate heating and air conditioning systems selection.

The Icynene Insulation System® is more than just an insulation material. The performance and installation of this spray-in-place soft expanding foam supports the Systems Approach to a continuous air barrier, moisture management, and improved indoor air quality in one application. Rather than working with numerous trades and products, Enersave Systems, Inc. will provide you with a “one stop shop” that will increase productivity and performance of your project.

Enersave Systems consults the Builder’s Guide to Hot – Humid Climates written by Joseph Lstiburek, which is distributed by the Energy and Environmental Building Association.