



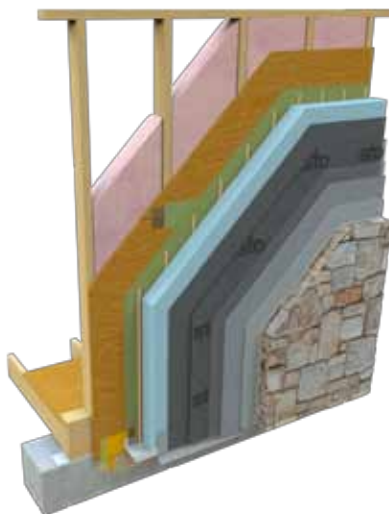
## StoEnergy Guard™ for Adhered Masonry Veneer

Adhered masonry veneer – also called synthetic stone or thin brick – is popular for residential dwellings. It's not waterproof, however. Protection against moisture is critical for proper wall performance, to prevent failures and callbacks and to ensure a long installed life.

StoEnergy Guard is a protective wall system ideal for residential construction. An advanced cavity wall system, it delivers a waterproof air barrier, drainage, and continuous insulation all in one. It meets a majority of codes. Plus StoEnergy Guard works behind most claddings – adhered stone, stucco and siding – as a single-source, proven and complete solution.

System features for StoEnergy Guard include:

- Continuous insulation (c.i.) and air barrier.
- Water-resistive barrier (WRB) and drainage/drying layer.
- Sole-source system, tested and code compliant.



# StoEnergy Guard™

The proven solution for residential adhered masonry veneer.

## StoEnergy Guard meets today's demands.

For Type V construction with adhered masonry and siding, trust StoEnergy Guard. This tested and code-compliant system protects against moisture damage.

Adhered masonry is not waterproof, and water from rain, lawn sprinklers and even from heat-driven water vapor can sometimes enter wall assemblies. \*\* Insulated, water-managed and airtight, StoEnergy Guard™ Advanced Cavity Wall System can increase the life and can protect against water damage beneath porous claddings in residential construction.

## Drainage and drying

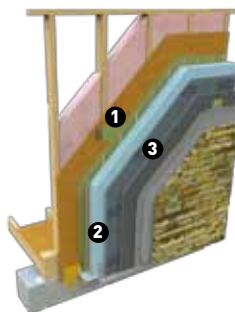
Moisture can cause structure damage, mold and condensation within the wall. StoEnergy Guard protects the wall from moisture intrusion to the interior.

- Drainage mat provides drainage and air space.
- Air gap or capillary break assists in drying.
- Waterproof air barrier protects the substrate.
- Optional vapor barrier available, if required by code.

## Integrated with Class A fire-tested materials

Combining products from multiple manufacturers carries risks and complications. Common liabilities include code compliance issues, product compatibility, multiple warranties, and more. To protect against these challenges, use StoEnergy Guard:

- Tested, proven assembly.
- Compatible with wood frame, CMU, and light-gauge steel.
- Meets energy codes and building codes.



**1. Waterproof air barrier membrane (and optional vapor barrier) – StoGuard**

**2. Drainage mat and air gap – Sto DrainScreen**

**3. Continuous exterior insulation – Sto Insul-X**

**StoEnergy Guard™, the Advanced Cavity Wall System, is a simple, unified and sole-source system backed by a single comprehensive warranty. It's also a solution for adhered masonry veneer and siding.**

\*\*StoGuard functions as an air barrier component and secondary water-resistant barrier in wall assemblies. Sto DrainScreen functions as a wall cavity drainage component. The secondary moisture protection provided by StoGuard protects walls against moisture damage from rain during the construction process and in the event of incidental water intrusion following the completion of construction. Sto DrainScreen promotes drainage and drying. These components are not intended to correct faulty design or workmanship such as the absence or improper integration of flashing in the wall assembly, nor are they intended to correct defective components of construction such as windows that leak into the wall assembly. Flashing must always be integrated with the WRB (water-resistant barrier) in the wall assembly, particularly at potential leak sources such as windows. ADDITIONAL COMPONENTS SUCH AS CODE COMPLIANT BUILDING PAPER OR FELT MAY BE NECESSARY WHEN DESIGNING WITH POROUS CLADDINGS SUCH AS STUCCO AND STONE VENEERS OVER LATH, PARTICULARLY IN MOIST, MARINE, AND HOT AND HUMID CLIMATE ZONES.

For complete information on recommended assemblies incorporating StoGuard and Sto DrainScreen refer to details at [www.stocorp.com](http://www.stocorp.com).

## Why StoEnergy Guard™ is better

Challenge	StoEnergy Guard features
Water penetration, or trapped water	Sto DrainScreen integral drainage mat and cavity
Air infiltration and air barrier codes	StoGuard waterproof air barrier
Code R-values & continuous insulation	Sto Insul-X XPS board
National building codes and energy codes	Class A products comply with IBC 2012, IECC 2012, ASHRAE 90.1

## Energy Codes

Building codes and energy codes require air barriers as well as continuous insulation (c.i.) in most climate zones for all types of residential construction. StoEnergy Guard complies with the IRC, IECC, ASHRAE 90.1, CalGreen and more:

- Integral air barrier – StoGuard
- Continuous exterior insulation, R-values 5.0-10.0

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