

# Exceptional Thermal Performance Is As Easy As 1. 2. 3.

## Introducing CertainTeed Hybrid Insulation System

The new Hybrid Insulation System combines three of CertainTeed's innovative insulation products to create a cost-effective way to provide a thermally superior air-tight seal around the home. Supported by CertainTeed's Building Science professionals, the Hybrid Insulation System uses CertainTeed CertaSpray® Closed Cell Foam Insulation, CertainTeed OPTIMA® Blow-In Insulation and CertainTeed MemBrain™ Smart Vapor Retarder & Air Barrier Film, to achieve a sustainable high R-Value, unsurpassed air resistance and revolutionary moisture control.

## Hybrid Insulation System Advantage

Set yourself apart from your competition by offering homeowners a way to retain high R-Value along with an air-tight seal and superior moisture control.

- **Provides Superior Comfort**

Excellent thermal performance minimizes hot and cold spots, improves sound control, reduces energy consumption and the penetration of moisture for a more comfortable and healthy home.

- **Sustained R-Values**

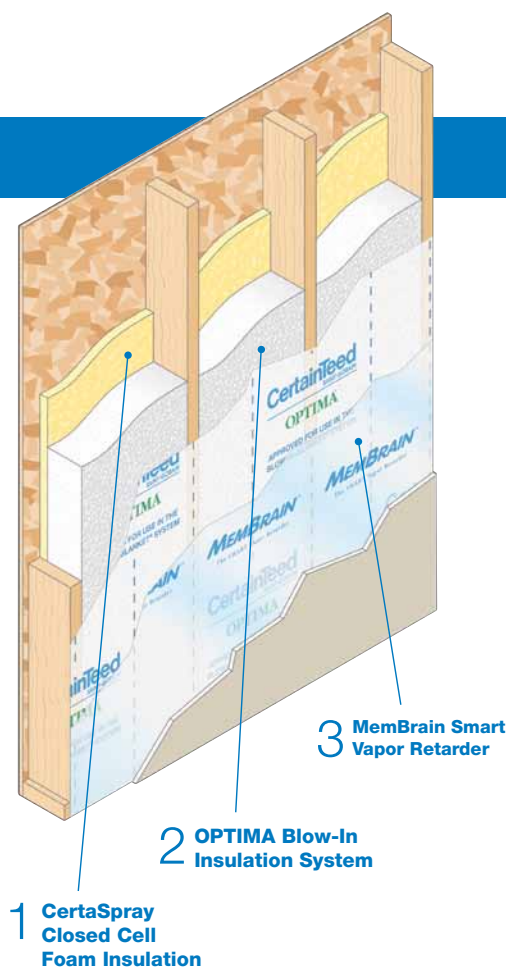
The Hybrid Insulation System will not settle over time, ensuring long-lasting energy efficiency and home comfort.

- **Seals Air Tight**

Achieve an unsurpassed air-tight seal that also provides thermal performance in complex cavities and hard-to-reach areas where leakage can occur.

- **Part of an ENERGY STAR® Home**

The Hybrid Insulation System provides increased air tightness and thermal performance to help you meet demanding new codes and ENERGY STAR requirements.



## How the new Hybrid Insulation System works:

- 1** Apply a flash coat of CertaSpray Closed Cell Foam Insulation in the wall cavity to achieve the greatest R-Value and air-tight seal.
- 2** Fill the remainder of the wall cavity with OPTIMA Blow-In Insulation for optimal thermal performance due to no gaps, voids or settling.
- 3** Install innovative MemBrain Smart Vapor Retarder & Air Barrier Film over the OPTIMA, which allows excess moisture to escape and reduces moisture-related problems.

# Hybrid Insulation System

Provides the greatest R-Value, air-tight seal and moisture management for exceptional insulation performance.



2x4 Wood Stud Wall											
Climate Zone	Insulation Layer Thickness					Insulation Layer Thickness					Vapor Retarder Requirement
	CertaSpray CC SPF (inch)	CertaSpray R-Value*	OPTIMA (inch)	OPTIMA R-Value**	Hybrid Insulation Cavity R-Value	CertaSpray CC SPF (inch)	CertaSpray R-Value*	OPTIMA (inch)	OPTIMA R-Value**	Hybrid Insulation Cavity R-Value	
Zone 1-3	1	6.4	2 1/2	10.7	17.1	1/2	3.2	3	12.8	16.0	Unfaced
Zone 4-7	1	6.4	2 1/2	10.7	17.1	1/2	3.2	3	12.8	16.0	MemBrain
Zone 8	Requires custom hygrothermal analysis.										NA

2x6 Wood Stud Wall											
Climate Zone	Insulation Layer Thickness					Insulation Layer Thickness					Vapor Retarder Requirement
	CertaSpray CC SPF (inch)	CertaSpray R-Value*	OPTIMA (inch)	OPTIMA R-Value**	Hybrid Insulation Cavity R-Value	CertaSpray CC SPF (inch)	CertaSpray R-Value*	OPTIMA (inch)	OPTIMA R-Value**	Hybrid Insulation Cavity R-Value	
Zone 1-3	1	6.4	4 1/2	18.8	25.2	1/2	3.2	5	20.9	24.1	Unfaced
Zone 4-7	1	6.4	4 1/2	18.8	25.2	1/2	3.2	5	20.9	24.1	MemBrain
Zone 8	Requires custom hygrothermal analysis.										NA

\* Tested in accordance with ASTM C518 and/or C177 at 75F (24C) mean Temperature. Aged 90 days at 140F.

\*\* R-values are determined in accordance with ASTM C 687. Complies with ASTM C 764 as Type 1 insulation. "R" means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that the insulation is installed properly following the recommendations of CertainTeed Corporation.



## Whole House Applications

### Thermal & Acoustical Control Applications:

- Rim Joists
- Exterior Walls
- Knee Walls
- Cathedral Ceilings & Attics
- Floors Over Garages

#### 1 CertaSpray® Closed Cell Foam Insulation



#### 2 OPTIMA® Blow-In Insulation



#### 3 MemBrain™ Smart Vapor Retarder



### ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS  
GYPSUM • CEILINGS • INSULATION • PIPE

[www.certainteed.com/insulation](http://www.certainteed.com/insulation) <http://blog.certainteed.com>

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482

Professional: 800-233-8990  
Consumer: 800-782-8777

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Code No. 30-50-036

