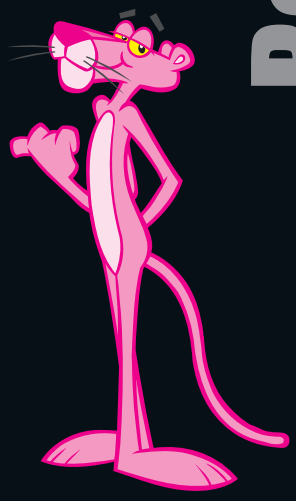
OWENS CORNING®

INNOVATIONS FOR LIVING®

ResidentialComplete™

WALL SYSTEMS



COMPLETE PERFORMANCE. COMPLETE SOLUTION. RESIDENTIALCOMPLETE™ WALL SYSTEMS.

Owens Corning™ ResidentialComplete™ Wall Systems are a variety of exterior wall system solutions designed for residential applications. They provide exceptional energy efficiency, help save an average of more than 25% on heating and cooling costs for the opaque wall surface modeled[1], and provide a complete air and water barrier, as well as acoustical performance qualities.

[1]Owens Corning calculated energy savings for a 2x4 wood stud cavity wall with R-13 and OSB sheathing compared to the same 2x4 wood stud cavity wall with R-13 and R-5 Foamular® foam sheathing located in each of the current energy code eight U.S. climate zones, based on ASHRAE Standard 90.2-2001, "Energy-Efficient Design of Low-Rise Residential Buildings", American Society of Heating, Refrigerating and Air-Conditioning Engineers, Atlanta, GA, 30329, Oct. 2012.

FEATURES & BENEFITS

Owens Corning™ ResidentialComplete™ Wall Systems include a variety of Owens Corning™ insulation product solutions such as:

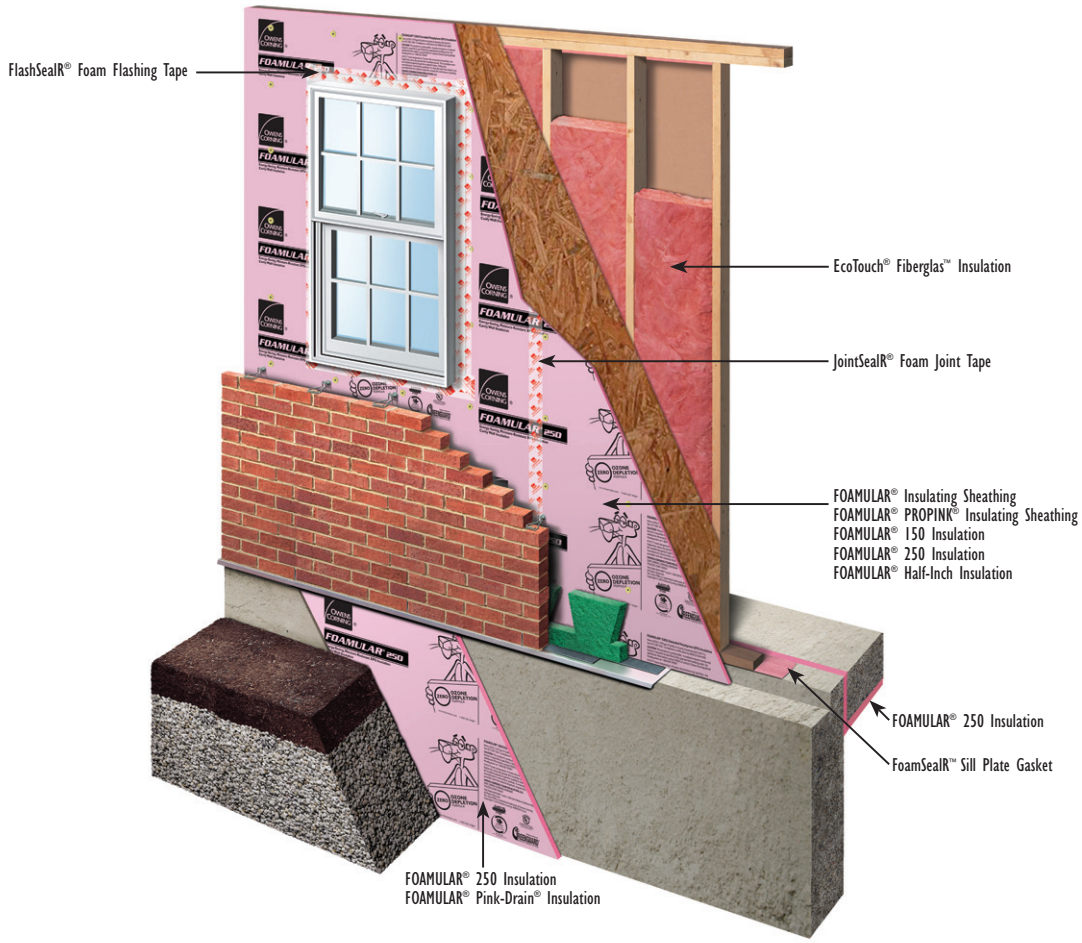
FOAMULAR® Continuous Insulating Sheathing Extruded Polystyrene (XPS)

- Only one in the industry to offer a Lifetime Limited Warranty[2]
- The only XPS foam to be GREENGUARD Children & Schools Certified℠
- The only XPS with a third party[3], independently certified, minimum 20% recycled content
- Exceptional compressive strength - great for vertical applications and roofs
- Provides long-term stable thermal performance of R-5 per inch
- In the United States and Canada, Owens Corning™ FOAMULAR® blowing agent formula has 70% less Global Warming Potential than the previous formula
- Provides layer of continuous insulation(ci) to thermally seal the exterior wall and minimize the "thermal bridging"

EcoTouch® Insulation

- Reduces heating and cooling costs year round[4]
- Helps home stay cooler in the summer and warmer in the winter
- Made from 58% recycled materials and is verified formaldehyde-free
- GREENGUARD Children and Schools Certified℠
- Only Fiberglas™ Insulation in the BioPreferred® catalog

[2]Maintains at least 90% of its R-Value for the lifetime of the product and covers all ASTM C578 properties. See actual warranty for complete details, limitations and requirements.
[3]Third party certification by Scientific Certification Systems (SCS), GREENGUARD Children & Schools certification and a NAHB Green Approved product.
[4]Savings vary: find out why in the seller's fact sheet of R-Values. Higher R-Vales mean greater insulating power.



Wood Stud ResidentialComplete™ Wall System

Based upon the type of residential construction planned, various options are available to meet specifications and codes. Below are the options to choose from for each type of wall system.

SHOWN - OPTION A

- FOAMULAR® XPS
- JointSealR® Foam Joint Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- FoamSealR™ Sill Plate Gasket

OPTION B

- FOAMULAR® XPS
- PINK*WRAP*® Housewrap
- BILD-R-TAPE® Construction Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- EnergyComplete® System
- FoamSealR™ Sill Plate Gasket

OPTION C

- FOAMULAR® XPS
- PINK*WRAP*® Housewrap
- JointSealR® Foam Joint Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- EnergyComplete® System
- FoamSealR™ Sill Plate Gasket

FoamSealR™ Sill Plate Gasket

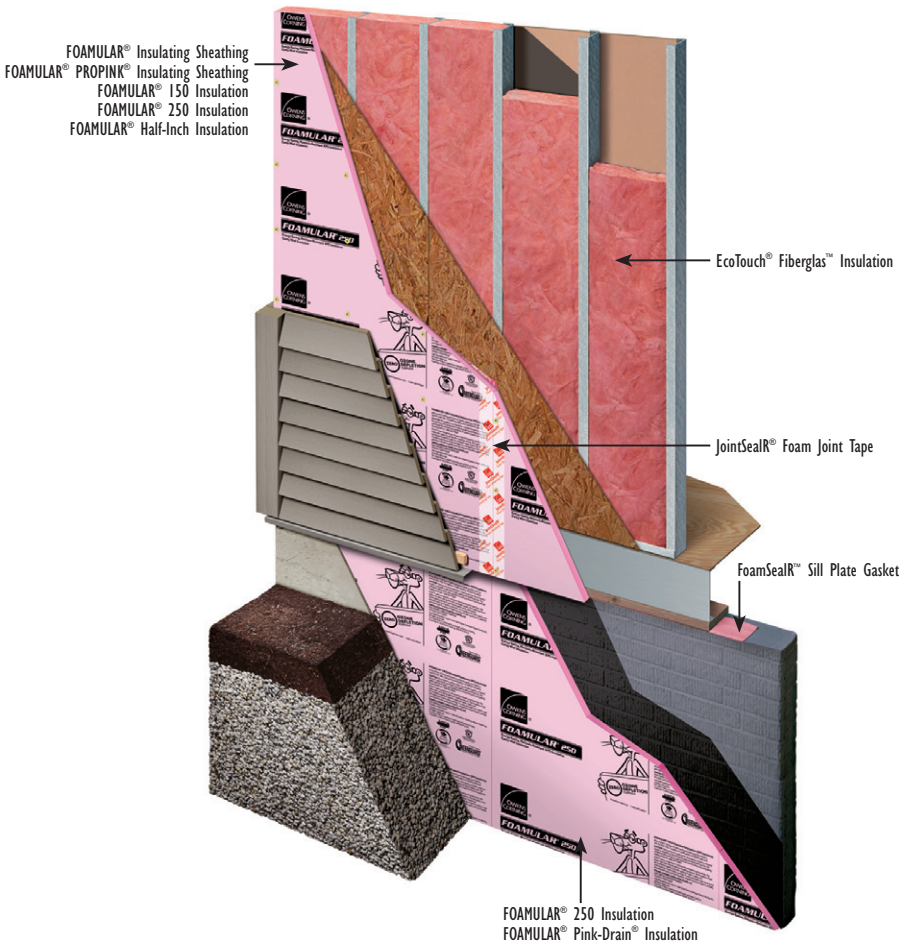
- Helps eliminate drafts around the foundation
- Made from polyethylene foam which helps resist moisture movement from the foundation wall into the wooden structure
- Installs quickly and easily with no special tools

JointSealR® Foam Joint Tape

- Provides reliable adhesion to FOAMULAR® XPS insulation
- Durable and flexible backing, coated with an aggressive acrylic adhesive, offers excellent adhesion, coupled with strength and handleability
- Enhances the thermal and moisture resistance of buildings by minimizing intrusion of unconditioned, moisture laden air into the wall assembly
- Provides a secondary layer of external moisture resistance behind the cladding to help protect the building
- Performs extremely well in hot or cold temperatures
- Meets criteria of water resistive barrier and qualifies as continuous air barrier material

FlashSealR® Foam Flashing Tape

- Thin and flexible to seal around penetrations and uneven surfaces
- Reliable adhesion to FOAMULAR® XPS insulation and most common substrates
- Meets the requirements of AAMA 711-07 and all applicable building codes



Steel Stud ResidentialComplete™ Wall System

SHOWN - OPTION A

- FOAMULAR® XPS
- JointSealR® Foam Joint Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- FoamSealR™ Sill Plate Gasket

OPTION B

- FOAMULAR® XPS
- PINK*WRAP*® Housewrap
- BILD-R-TAPE® Construction Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- EnergyComplete® System
- FoamSealR™ Sill Plate Gasket

OPTION C

- FOAMULAR® XPS
- PINK*WRAP*® Housewrap
- JointSealR® Foam Joint Tape
- FlashSealR® Foam Flashing Tape
- EcoTouch® Insulation
- EnergyComplete® System
- FoamSealR™ Sill Plate Gasket

PINK*WRAP*® Housewrap

- Resists tears in all directions, so it stands up to windy conditions
- UV Resistant
- Fire Resistant
- Helps reduce energy leaks by keeping heated/cooled air inside, and keeping outside air from getting in
- Breathes to let interior water vapor escape
- Translucent–makes it easy to see where to staple
- Unrolls and cuts easily to cover application area
- Lightweight and easy to handle for fast, efficient installation
- Durable fabric construction helps protect home until exterior finishing materials can be applied[5]

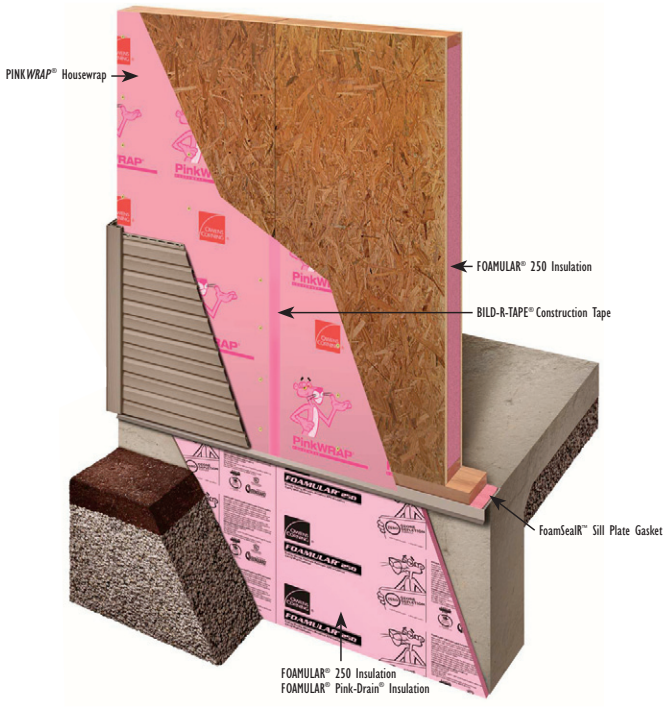
BILD-R-TAPE® Construction Tape

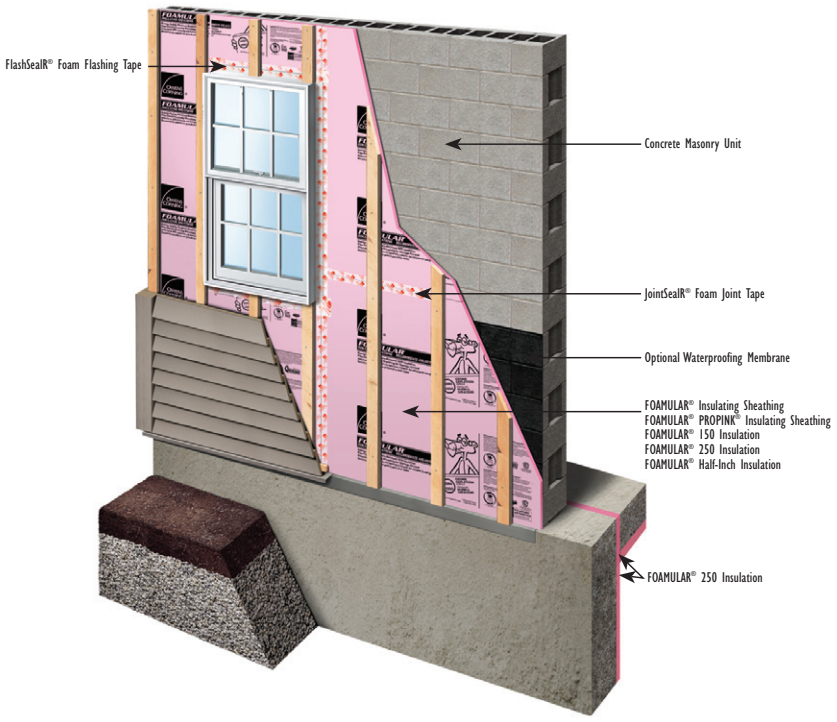
- Durable design seals against air and moisture infiltration
- Formulated to resist mildew, mold growth and UV and weather exposure
- Designed to maintain its adhesive properties under high humidity conditions to provide a long lasting seal over Owens Corning™ housewrap products seams

EnergyComplete® System

- The EnergyComplete® system is a home insulation and air sealing solution that is an affordable way to achieve savings
- Reduces air leakage of home by up to 70%[6]
- Helps improve overall comfort of the home

[5]Good building practices include back priming of any porous siding before installation (such as wood, stucco, cement siding).
[6]Field measurements compared to typical new construction as predicted by Lawrence Berkeley National Laboratory Report No. 62078.





SIPS ResidentialComplete™ Wall System

OPTION A

- SIPS Panel (FOAMULAR® XPS inside)
- PINK*WRAP*® Housewrap
- JointSealR® Foam Joint Tape
- FoamSealR™ Sill Plate Gasket

SHOWN - OPTION B

- SIPS Panel (FOAMULAR® XPS inside)
- PINK*WRAP*® Housewrap
- BILD-R-TAPE® Construction Tape
- FoamSealR™ Sill Plate Gasket

Concrete Masonry Unit ResidentialComplete™ Wall System

- FOAMULAR® XPS
- JointSealR® Foam Joint Tape
- FlashSealR® Foam Flashing Tape

WHY CHOOSE OWENS CORNING™ RESIDENTIALCOMPLETE™ WALL SYSTEMS?

- One supplier, One solution
- Provides insulating options for various geographical regions
- Systems solution that helps provide an air & water barrier
- 2012 Energy Codes are now requiring continuous insulation(ci) in more climate zones

ALL OF YOUR CRITICAL WALL SYSTEM PERFORMANCE QUALITIES ARE COVERED WITH:

- Continuous Insulation
- Thermal Efficiency
- Air Barrier
- Water Vapor Management
- Bulk Water Resistance

OWENS CORNING®

INNOVATIONS FOR LIVING®

GET THE
PERFORMANCE
YOU DEMAND

FOR MORE INFORMATION ON THE OWENS CORNING FAMILY OF BUILDING PRODUCTS, CONTACT YOUR OWENS CORNING DEALER, CALL 1-800-GET-PINK® OR ACCESS OUR WEB SITES: WWW.FOAMULAR.COM AND WWW.OWENSCORNINGCOMMERCIAL.COM.

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