



A HOME ISN'T COMPLETE UNTIL IT'S ENERGYCOMPLETE®

Today's
homebuyers are
looking for comfort
and energy
efficiency. Give
them both with
EnergyComplete®
flexible air sealant.



energyCOMPLETE®



THE COMPLETE STORY

EnergyComplete® is a flexible air sealant that boosts energy efficiency and adds value to a home. It's an air infiltration barrier that is easily applied to key joints in a home and can be used in combination with other insulating materials, such as EcoTouch® PINK® Fiberglas™ batts and loosefill insulation.

Adding EnergyComplete® Sealant to a home can:

- Lower home energy bills by up to 33%¹ per month when combined with insulation — a powerful incentive to homebuyers
- Increase your value proposition by adding a feature your competitors don't have
- Provide the kind of energy efficiency and comfort that today's homebuyers expect



EFFICIENCY DEMANDS ARE HIGHER

Air-sealing requirements for homes are becoming increasingly stringent. Some states have already adopted the 2012 International Energy Conservation Code (IECC) requirement of 3 air changes per hour (ACH) and more states and municipalities will follow. You need to prepare now.

EnergyComplete® flexible air sealant can help you meet or exceed the 2012 IECC requirements by reducing air leakage. EnergyComplete® Sealant reduces outside air infiltration by up to 70%,² and when combined with EcoTouch® PINK® Fiberglas™ batt or loosefill insulation, can reduce a homeowner's monthly heating and cooling costs by up to 33%¹ for the life of the home.³



**2009 IECC
Requirements**
= 7 ACH
Equivalent to
15" x 15"
hole in home



Energy Star 3.0
= 5 ACH
Equivalent to
13" x 13"
hole in home



**2012 IECC
Requirements**
= 3 ACH
Equivalent to
10" x 10"
hole in home



EnergyComplete[®]
flexible gasket

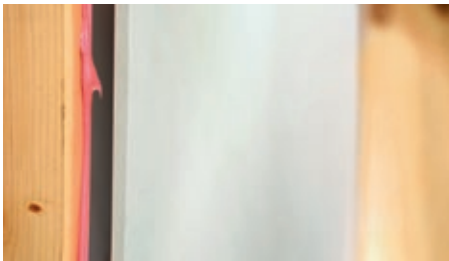
This diagram shows a cross-section of a door assembly. A light green door panel is on the left, secured with two screws. To its right is a thick, pink, fibrous insulation layer. Further right is a thin, wavy pink gasket. The entire assembly is set within a wooden frame. Arrows point from the text labels to their respective components: the gasket, the joint bead, and the insulation.

EnergyComplete[®]
flexible joint bead

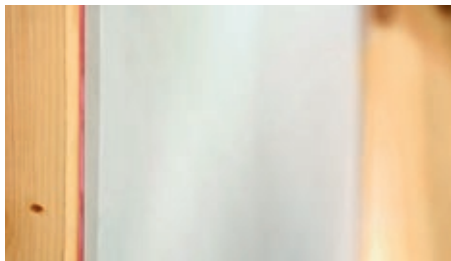
EcoTouch[®]
Insulation

ENERGYCOMPLETE® SEALS WITH A GASKET

EnergyComplete® is exclusive to Owens Corning—
it's building science intelligence you can't get
anywhere else.



EnergyComplete® adheres to lumber to
form a seal between wood and drywall



Once drywall is in place,
EnergyComplete® acts as a gasket,
trapping air and reducing leakage

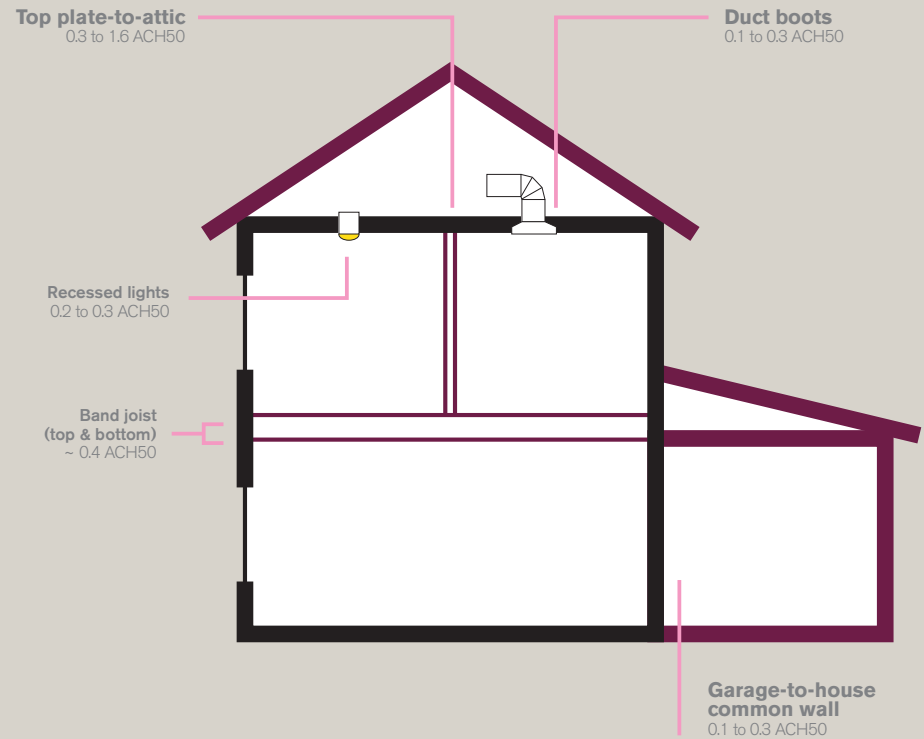
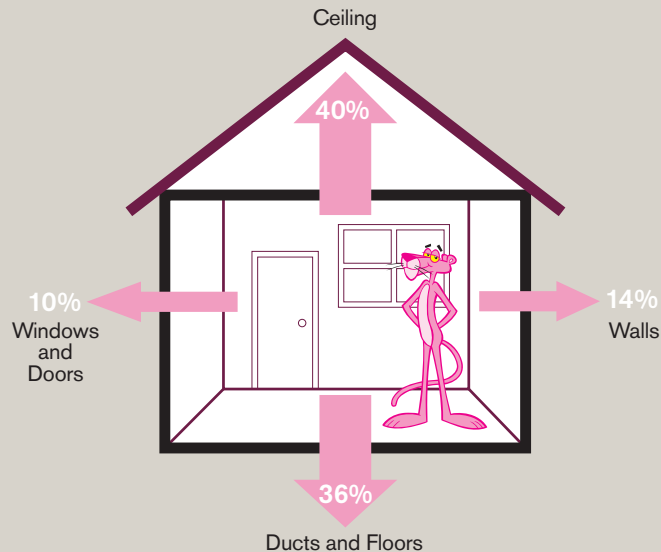
The most important air leaks require a gasket. EnergyComplete® Sealant is the only air-sealing solution that forms a gasket and seals them all.

- It establishes a flexible, long-lasting seal between lumber and drywall
- EnergyComplete® reduces air leakage and helps meet tough building code requirements
- Allows air-sealing inspection before drywall is installed, saving time and money on the build cycle
- It's a safe, high-performance solution that lasts the life of the home³

Key areas to seal

In 2011, the Owens Corning™ Building Science Team identified key areas which provide the greatest return when sealed correctly. The numbers under each section show the approximate ACH savings that sealing each can produce.

Trouble spots for air leakage:



BUILDING SCIENCE EXPERTISE

Even the best construction still allows air to leak between joints and through seams. Naturally, this impacts the home's energy efficiency.

With nearly a mile of joints in a typical house connecting the inside to the outside, air leakage occurs in some areas more than others. In 2011, Owens Corning conducted a year-long study that looked at 1,000-plus measurements to identify the most important areas of a home to seal. We identified areas that provide the greatest return when air sealed. Reduce air infiltration by up to 70%² by using EnergyComplete® Sealant to form a gasket in these areas.



Testing real world construction joints at the Owens Corning lab allows us to determine the impact of sealing the most important air leaks.

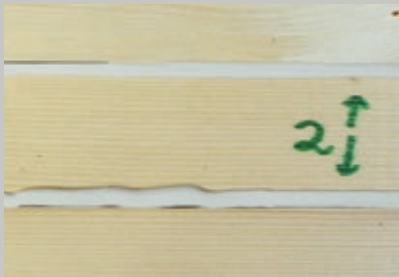
EnergyComplete® air-sealing gasket provides continuous, complete coverage



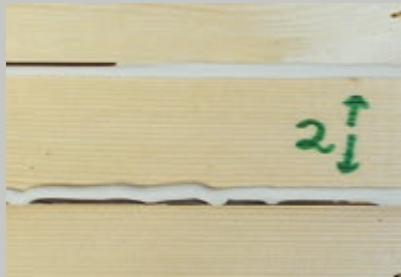
It acts as a flexible gasket – it flows uninterrupted.



No need to go back a second time or for touch-ups.



Initial application of caulk.



11 days after application, shrinking has begun.

EnergyComplete® air-sealing gasket does not shrink over time like caulk

EnergyComplete® air-sealing gasket delivers protection for the life of the home³



It creates a durable barrier against air infiltration, allergens and household pests.



Caulk can lose its adherence and peel away from surfaces.



Unlike caulk, EnergyComplete® penetrates framing.



Caulk can leave gaps that allow air leakage.

EnergyComplete® air-sealing gasket provides maximum protection

ENERGYCOMPLETE® PERFORMS

In 2011, an analysis of blower door tests for 800 homes built by a top U.S. builder found that conventional caulk materials are 10 times more likely to fail the test than those treated with EnergyComplete® Sealant.

CONVENTIONAL CAULK
PRODUCTS ARE

10x

MORE LIKELY TO FAIL
A BLOWER DOOR TEST
THAN ENERGYCOMPLETE®

When it comes to creating a long-lasting, air-sealing barrier, EnergyComplete® Sealant outperforms caulk, which can shrink quickly. In addition, EnergyComplete®:

- Creates a gasket that provides continuous, complete coverage
- Delivers protection for the life of the home³
- Does not shrink over time like caulk can
- Provides maximum protection from outside elements
- Helps keep consistent room-to-room temperature throughout the home, year-round







APPLYING ENERGYCOMPLETE® SEALANT

Unlike some other insulating materials, EnergyComplete® Sealant is simple and safe to install. In fact:

- It requires no special safety equipment — just gloves, safety glasses and a long-sleeve shirt
- Other trades can stay on site while EnergyComplete® is being applied, saving you time and money
- The machine makes it easy to reach all areas of the home
- GreenGuard Indoor Air Quality Certified® — allows for safe installation which requires no job site quarantine



GROW YOUR BUSINESS WITH ENERGYCOMPLETE®



EnergyComplete® Sealant can help drive new home sales by delivering the quality of construction and energy efficiency that today's homebuyers demand. Adding it to your project plan will help you:

- Meet or exceed the demanding performance requirements of today's building codes
- Cut homeowners' monthly energy costs by up to 33%¹ — giving you an additional selling point
- Differentiate your homes from the competition
- Offer a safe, high-performance solution that lasts the life of the home



A QUALITY PRODUCT FROM A BRAND YOU TRUST



EnergyComplete® Sealant is backed by the building science expertise and respected reputation of Owens Corning — the insulation brand most preferred and most often used by builders for 16 consecutive years.⁴ It's undergone rigorous testing to ensure it meets our exacting standards for performance and durability.

For more about EnergyComplete® Sealant,
visit **OCEnergyComplete.com**

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¹The average residential energy use for space heating and cooling is 39%, Buildings Energy Data Book, 2008, U.S. Department of Energy (DOE). Savings vary. Find out why in the seller's fact sheet on R-Values. Higher R-Values mean greater insulating power. Savings estimates are based on comparison to an average new U.S. home. The savings percentages compare the performance of a new home built to meet minimum 2009 insulation code requirements in a particular location to a new home insulated with the EnergyComplete® System that meets or exceeds the DOE recommended insulation levels. The 33% savings on heating and cooling was calculated on a two-story, 3,100-sq.-ft. new home with a basement in Denver, Colorado.

²Field measurements compared to typical new construction as predicted by Lawrence Berkeley National Laboratory Report No. 62078.

³See warranty for complete details at www.OCEnergyComplete.com

⁴1998-2013 Builder Brand Use Study, Hanley Wood Business Media.

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