## Owens Corning Reference Guide

## ICC 700-2008 & 2012 National Green Building Standard

Owens Corning's building science expertise and product solutions are backed by over 75 years of building industry experience. From inventing new technologies to turning those innovations into industry transforming products and solutions, we can help you meet the challenges of green building.

The National Green Building Standard<sup>™</sup> (NGBS) certification provides independent, third-party verification that a home, apartment building, or land development is designed and built to achieve high performance in six key areas:

- Site Design
- Resource Efficiency
- Water Efficiency
- Energy Efficiency
- Indoor Environmental Quality
- Building Operation & Maintenance

When it comes to achieving performance levels within the NGBS, it's about more than green building and sustainability, it's good business. Owens Corning's selection of building materials contribute to achieving NGBS Green Home Certification.

NGBS Green Certified Products require appropriate third-party evidence provided to Home Innovation Labs and are reviewed to assure that the products meet the criteria for recognition in buildings seeking NGBS Green Home Certification.

NGBS Green Certified Products earn a certificate that identifies the specific NGBS section(s) where points for the product are available.

Owens Corning has achieved Certification for building products in the categories of Resource Efficiency, Energy Efficiency and Indoor Environmental Quality. This guide identifies those certified products and associated practices with a check mark  $\checkmark$  under the practice.

Additional practices are listed in the guide. A "dot" indicates where Owens Corning products and installation/application information, while not certified, can be applied, in concert with other products and with good design and construction practices, to contribute to meeting the requirements under the practice.

Call 1-800-GET-PINK® for technical assistance, building science information or general questions.



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NAHB/ANSI Approved 2008 & 2012 National Green Building Standard



## ICC 700-2008 & 2012 NATIONAL GREEN BUILDING STANDARD

	Green Building Category Resource Efficiency									Energy Efficiency												Indoor Environmental Quality						
	National Green Building Standard ICC 700-2008  Key:  Product is Certified by Home Innovation Laboratory for the Practice Product, in use with other products and good design and construction practices, can contribute to meeting Practice Requirements	Enhanced Durability, Water Resistive Barrier/ Drainage Plane	Enhanced Durability, Ice Barrier	Enhanced Durability, Flashing details	Enhanced Durability, Energy Star Cool Roof	Enhanced Durability, Vegetated Roof	Recycled Content Building Materials	Renewable Materials, Biobased Products	Lífe Cycle Analysis	Insulation and Air Sealing, Insulation installation	Insulation & Air Sealing, Shafts (duct shaft, piping shaft/penetrations, flue shaft)	Insulation and Air Sealing, Insulate Floors, Foundations & Crawlspaces	Insulation and Air Sealing, Windows and doors Insulation & Air Sealing, Band Joist and	Rim Joist Insulate and Air Sealing, Foundation and Sill Bottom Plate	Insulation and Air Sealing, Skylight Shafts and Knee Walls	Insulation and Air Sealing, Attic Access insulation	Insulation and Air Sealing, Baffles for Eave Vents	Performance Path: Energy Cost Performance exceeds ICC IECC levels, documented	Prescriptive Path: Building Thermal Envelope Exceeds ICC IECC, Graded and Documented Analysis	Insulation & Air Sealing Installation	Boiler Supply Piping Insulated in Unconditioned Spaces	Building Envelope Leakage Rate, Measured ACH50		HYAC Duct Leakage lested Performance	Pollutant Source Control, Attached Garage Continuous Air Barrier	Pollutant Source Control, Interior Low VOC Sealants	Pollutant Source Control, building & Duct Insulation Formaldehyde Emissions Pollutant Control, Contaminants Sealed From I ivin Share	Tronic Living Space HVAC Duct Insulation, Min. R-6 Duct Insulation, Points for R-8
	Practice Number, Version 2008		602.10	602.12	602.13 (1)	602.13 (2)	604.1	606.1	609.1	701.4.3.1(1)	701.4.3.1(2)	701.4.3.2	701.4.3.3(1) 701.4.3		, , , , ,	,		702.2	703.1	703.2	703.5.4.2	704.6.2.1(4)					902.6	
	NEW CONSTRUCTION (Mandatory or Points)	Mandatory	Mandatory	6 Points	3 Points	3 Points	1 to 18 points	0 - 8 Points	Max 15 Points	Mandatory	Mandatory	Mandatory	Mandatory Manda	ntory Mandator	Mandatory	Mandatory	Mandatory	30 - 120 points	0 - 36 Points	3 - 15 Points	1 Point	3 - 15 Points	5 - 15	Points	Mandatory, 2	5 Points 5	Points 2 - 6 Points	ints Mandatory, 2
	Fiberglass Insulation: EcoTouch® PINK® FIBERGLAS™ Thermal Batts & Rolls insulation						✓	✓	•	•		•	•		•	•		•	•	•							✓	
	Mineral Wool Insulation: Thermafiber® UltraBatt™ Insulation						✓		•	•		•			•	•		•	•	•								
	Fiberglass Insulation: PROPINK® L77 Loosefill Insulation, AttiCat® Expanding Blown-In Loosefill Insulation						✓		•	•					•			•	•	•							<b>√</b>	
rcts	Air Sealing System: EnergyComplete® Sealant									•	✓	•	<b>✓</b> ✓	<b>′</b> ✓	•	•		•	•	•		✓			✓	✓	•	
rodu	Foam Insulation: FOAMULAR® Extruded Polystyrene (XPS) Insulation	•				•			•	•		•			•	•		•	•	•		•			•		✓ •	
l gr	raft-R-mate® Eave Baffles																•											
ulatii	FlashSealR® Flashing Tape			•						•			•					•	•	•		•					•	
lus	FoamSealR™ Sill Plate Gasket									•		•		•				•	•	•		•					•	
	HVAC Insulation: QuietR® Duct Liner Board, QuietR® Textile Duct Liner, QuietR® Rotary Duct Liner, QuietR® Duct Board, QuietZone® Spiral Duct Liner, SoftR® Duct Wrap & EcoTouch® Insulation for Flexible Duct						✓																	•			✓	•
	Pipe Insulation: Fiberglas <sup>™</sup> SSL <sup>®</sup> 1 & SSL11 <sup>®</sup> Pipe Insulation with All Service Jacket (ASJ)						•														<b>✓</b>						•	
ng Products	Shasta White Only in Classic® Shingles, Supreme® Shingles, Duration® Shingles & Oakridge® Shingles; Duration® Premium Cool Shingles only in Sunrise, Frosted Oak & Harbor Fog Colors				<b>✓</b>																							
Roofir	WeatherLock® Ice & Water Barrier Products		<b>✓</b>																									

	Green Building Category	Resource Efficiency																
	National Green Building Standard ICC 700-2012  Key:  Product is Certified by Home Innovation Laboratory for the Practice Product, in use with other products and good design and construction practices, can contribute to meeting Practice Requirements	Enhanced Durability, Water Resistive Barrier/ Drainage Plane	Enhanced Durability, Ice Barrier	Enhanced Durability, Flashing details, Window Head and Jamb	Enhanced Durability, Flashing details, Rain Screen	Enhanced Durability, Energy Star Cool Roof	Enhanced Durability, Vegetated Roof	Recycled Content Building Materials	Renewable Materials, Biobased Products	Regional Materials	Life Cycle Analysis	Innovative Practices, Sustainable Products, EcoLogo CCD-016	Minimum Energy Efficiency Requirements, Building Thermal Envelope Sealing	Minimum Energy Efficiency Requirements, Air Sealing and Insulation, Recessed Lighting				
	Practice Number, Version 2008	602.1.8	601.1.13	602.1.9 (2)	602.1.9 (5)	602.2 (1)	602.2 (2)	604.1	606.1	609.1	610.1.2	611.2 (3)	701.4.3.1	701.4.3.2(1)	701.4.3.2 (2)	701.4.3.4		
	NEW CONSTRUCTION (Mandatory or Points)	Mandatory	Mandatory	2	Max 4 Points	3 Points	3 Points	1 to 18 points	0 - 8 Points	Max 10 Points	Max 15 Points	3 Points	Mandatory	Mandatory	Mandatory	Mandatory		
	Fiberglass Insulation: EcoTouch® PINK® FIBERGLAS™ Thermal Batts & Rolls insulation							✓	✓	•	•	✓			•			
	Mineral Wool Insulation: Thermafiber® UltraBatt™ Insulation	08 602.1.8 601.1.13 602.1.9 (2) 602.1.9 (5) 602.2 (1) 602.2 (2) 604.1 606.1 609.1 610.1.2 611.2 (3) 701.4.3.1 701.4.3.2 (1) 701.4.3.2 (2) 701.4.3.4 (1s) Mandatory 2 Max 4 Points 3 Points 1 to 18 points 0 - 8 Points Max 10 Points Max 15 Points 3 Points Mandatory Mandatory Mandatory Mandatory 4 Mandatory Mandatory Mandatory Mandatory 4 Mandatory 4 Mandatory Mandatory 4 Mandatory 5 Max 15 Points 3 Points Max 15 Points 3 Points Mandatory 5 Max 15 Points 3 Points Mandatory 5 Max 15 Points 3 Points Mandatory 5 Max 15 Points 3 Points Mandatory 6 Mandatory 6 Mandatory 6 Mandatory 7 M																
ts	Fiberglass Insulation: PROPINK® L77 Loosefill Insulation, AttiCat® Expanding Blown-In Loosefill Insulation							<b>✓</b>		•	•	<b>✓</b>			•			
que	Air Sealing System: EnergyComplete® Sealant	on: Thermafiber® UltraBatt™ Insulation  PROPINK® L77 Loosefill Insulation, AttiCat® Expanding ulation  EnergyComplete® Sealant  MULAR® Extruded Polystyrene (XPS) Insulation  Tape	✓	✓														
Pro	Foam Insulation: FOAMULAR® Extruded Polystyrene (XPS) Insulation	✓			•		•			•	•		•	•	•			
Insulating Products	FlashSealR® Flashing Tape			✓									•	•	•			
sula	FoamSealR <sup>™</sup> Sill Plate Gasket												•	•	•			
=	HVAC Insulation: QuietR® Duct Liner Board, QuietR® Textile Duct Liner, QuietR® Rotary Duct Liner, QuietR® Duct Board, QuietZone® Spiral Duct Liner, SoftR® Duct Wrap & EcoTouch® Insulation for Flexible Duct							<b>√</b>		•								
	Pipe Insulation: Fiberglas <sup>™</sup> SSL® 1 & SSL11® Pipe Insulation with All Service Jacket (ASJ)							•		•								
Roofing Products	Shasta White Only in Classic® Shingles, Supreme® Shingles, Duration® Shingles & Oakridge® Shingles; Duration® Premium Cool Shingles only in Sunrise, Frosted Oak & Harbor Fog Colors					<b>✓</b>				•								
fing	WeatherLock® Ice & Water Barrier Products		✓															
R00	Owens Corning Shingle Recycling Program																	

								Remodeling				
Performance Path: Energy Cost Performance exceeds ICC IECC levels, documented	Prescriptive Path: Building Thermal Envelope Exceeds ICC IECC, Graded and Documented Analysis	Insulation & Air Sealing Installation	Boiler Supply Piping Insulated in Unconditioned Spaces	Prescriptive Path, Building Envelope Leakage Rate, Measured ACH50	Additional Practices, Insulating Hot Water Pipes	HVAC Duct Leakage Tested Performance	Pollutant Source Control, Attached Garage Continuous Air Barrier	Pollutant Source Control, Interior Low VOC Sealants	Pollutant Source Control, Building & Duct Insulation Formaldehyde Emissions	Pollutant Control, Contaminants Sealed From Living Space	HVAC Duct Insulation, Min. R-6 Duct Insulation, Points for R-8	Recycled Construction Waste
702.2	703.1.1	703.1.2	701.4.5	703.1.5	704.5.3	703.3.4	901.3(1)b	901.10	901.11	902.6	903.2 (3)	11.605
30 - 100 Points	0 - 18 Points	3 - 15 Points	Mandatory	2 - 24 Points	1 Point	1 - 8 points	Mandatory, 2	8 Points	5 Points	Mandatory	3 Points	Max 6 Points
•	•	•							<b>✓</b>			
•	•	•										
•	•	•							✓			
•	•	•		✓			•	✓		•		
•	•	•		•			•		✓	•		
•	•	•		•						•		
•	•	•		•				<b>✓</b>				
						•			•		•	
			✓		✓				•			
												✓

Energy Efficiency