



# MECHANICAL INSULATION CLAIMS GUIDE

## Products Made with 100% Renewable Electricity and Reduced Embodied Carbon

A growing number of Owens Corning® products, including some of our high-density insulation products and shingles, are certified as made with 100% renewable electricity and are part of a reduced embodied-carbon portfolio. These products were certified in accordance with SCS Global Services' certification protocol. The certifications are made possible by power purchase agreements Owens Corning signed in 2015, which enabled new wind capacity in Texas and Oklahoma. Both wind farms came online in late 2016 and have the potential to generate 1.1 million megawatt hours of electricity per year. Owens Corning obtains and retires the energy attribute credits (EACs) generated by these wind farms, enabling us to receive third-party renewable electricity certification.

## GREENGUARD®

Products with UL GREENGUARD® Certification have met comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air. The UL GREENGUARD® Gold Certification Standard includes health-based criteria for additional chemicals and requires lower total VOC emissions levels. GREENGUARD® Gold Certified products are qualified for use in environments such as schools and healthcare facilities.

GREENGUARD® Gold Certified products must follow requirements of the State of California's Department of Public Health "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.2 (2017)" (also known as California Section 01350).

## Recycled Content Certification

**Scientific Certification Systems (SCS)** Global Services verifies recycled content in our fiberglass and extruded polystyrene (XPS) foam insulation products in North America.

**ICC Evaluation Services (ICC-ES)** verifies recycled content in our Thermafiber® insulation products. Owens Corning® Thermafiber® products are certified to have a minimum of 70% recycled content.

## Environmental Product Declaration (EPD)

An EPD is an independently verified and registered document that communicates transparent information about a product's environmental impacts throughout its lifecycle. Owens Corning has issued EPDs of all core building products. Our EPDs and Optimization Summaries can be found on several program operators' databases in the U.S. and EU.

## Health Product Declaration® (HPD)

The HPD is a document for reporting the material contents of building products and the potential hazard associated with these materials. The reporting follows a set of stringent regulations, set by the Health Product Declaration Collaborative (HPDc). HPD compares product ingredients to a set of priority "hazard" lists based on the GreenScreen for Safer Chemicals and additional lists from other agencies.

## Formaldehyde Free Claim Verification

UL Environment validates claims that a product does not contain formaldehyde (or formaldehyde precursors). The validation is based on auditing raw material inputs and testing chemical emissions from the product. Product with Formaldehyde Free claim validation must also maintain UL GREENGUARD® Gold certification.

INSULATION PRODUCT COMPARISON		CERTIFICATIONS						FEATURES					
		Reduced Embodied Carbon/100% Renewable Energy	GREENGUARD® GOLD	Certified Recycled Content	Environmental Product Declaration (EPD)	Health Product Declaration (HPD)	Formaldehyde Free	UL Classified	Thermal Performance	Acoustic Performance	Moisture Resistant	Impermeable	Fire Resistant
XPS	FOAMULAR® XPS Pipe Insulation Fabrication Billets	•*	•	•	•	•			•		•		
FIBERGLASS	SSL II® with ASJ Max Fiberglas™ Pipe Insulation		•	•	•	•		•	•	•			
	Type 703 & 705 Fiberglas™ Board	•		•	•	•		•	•	•			
	Type 706 & 707 Fiberglas™ Board	•		•	•	•		•	•	•			
	Large Diameter Fiberglas™ Pipe Insulation		•	•	•	•		•	•	•			
	Metric Fiberglas™ Pipe Insulation		•	•	•	•		•	•	•			
	No-Wrap Pipe Insulation			•	•	•		•	•	•			
	Fiberglas™ FLEXWRAP®							•	•				
	Fiberglas™ Insul-Quick®		•	•	•	•		•	•				
	Fiberglas™ Utilicore® Insulation		•	•				•	•	•			
	EcoTouch® Insulation for Flexible Duct	•	•	•	•		•	•	•	•			
	QuietR® Duct Board	•	•**	•	•	•		•	•	•			
	QuietR® Duct Liner Board		•**	•		•		•	•	•			
	QuietR® Duct Liner HD-Roll		•**	•		•		•	•	•			
	QuietR® Rotary Duct Liner		•**	•		•		•	•	•			
	QuietR® Spiral Duct Liner	•	•**	•		•		•	•	•			
	SOFTR® Duct Wrap		•	•	•	•			•				
	RA Series EcoTouch® Insulation		•	•				•	•	•			
SelectSound® Black Acoustic Blanket			•				•	•	•				
SelectSound® Black Acoustic Board			•				•	•	•				
CELLULAR GLASS	FOAMGLAS® Insulation				•***			•	•		•	•	•
MINERAL WOOL	Thermafiber® Industrial Board	•		•	•				•	•			•
	Thermafiber® Industrial Blanket	•		•	•				•	•			•
	Thermafiber® Pro Section WR Pipe Insulation			•					•	•			•

\* FOAMULAR® NGX™ product line only.

\*\* Air handling products (duct board, duct liners, duct liner board, spiral duct liner) are restricted to 1-inch thickness or less for GG Gold Certification.

\*\*\* Available in EU only.