COMPANY NAME	**Owens Corning**
PRODUCT TYPE	**Building Envelope Thermal Insulation**
PRODUCT NAME	EcoTouch® Unfaced Insulation
PRODUCT DEFINITION	EcoTouch® Unfaced Insulation. Manufactured by Owens Corning in the United States and Canada.
PRODUCT CATEGORY RULE (PCR)	**PCR- Building Envelope Thermal Insulation** Including:cellular glass, mineral fibre, cellulose-based, textile-based, & polymer-based insulations. (ULE 2011)
CERTIFICATION PERIOD	**October 29, 2012 - October 29, 2017**
DECLARATION NUMBER	**12CA25418.103.1**

LIFECYCLE IMPACT CATEGORIES

The environmental impacts listed below were assessed throughout the product's lifecycle — including raw material extraction, transportation, manufacturing, packaging, use, and disposal at end of life.

	ATMOSPHERE			WATER		EARTH	
	Global Warming Potential refers to long-term changes in global weather patterns — including temperature and precipitation — that are caused by increased concentrations of greenhouse gases in the atmosphere.	**Ozone Depletion Potential** is the destruction of the stratospheric ozone layer, which shields the earth from ultraviolet radiation that's harmful to life, caused by human-made air pollution.	**Photochemical Ozone Creation Potential** happens when sunlight reacts with hydrocarbons, nitrogen oxides, and volatile organic compounds, to produce a type of air pollution known as smog.	**Acidification Potential** is the result of human-made emissions and refers to the decrease in pH and increase in acidity of oceans, lakes, rivers, and streams — a phenomenon that pollutes groundwater and harms aquatic life.	**Eutrophication Potential** occurs when excessive nutrients cause increased algae growth in lakes, blocking the underwater penetration of sunlight needed to produce oxygen and resulting in the loss of aquatic life.	**Depletion of Abiotic Resources (Elements)** refers to the reduction of available non-renewable resources, such as metals and gases, that are found on the periodic table of elements, due to human activity.	**Depletion of Abiotic Resources (Fossil Fuels)** refers to the decreasing availability of non-renewable carbon-based compounds, such as oil and coal, due to human activity.
TRACI	6.18E-01 kg CO2 eq	1.70E-08 kg CFC-11 eq	3.81E-02 kg O3 eq	2.37E-01 mol H+ eq	3.82E-04 kg N eq		
CML							

FUNCTIONAL UNIT	The functional unit of the product as defined by the PCR is 1 square meter of insulation material with a thickness that gives an average thermal resistance RSI=1 m2K/W and with a building service life of 60 years.

MATERIAL CONTENT
Material content measured to 1%.

COMPONENT	MATERIAL	AVAILABILITY	MASS%	ORIGIN
Glass Batch	Cullet	Recycle Material	25-75%	North America
Glass Batch	Sand	Renewable	8-25%	North America
Glass Batch	Borates	Non-Renewable	10-30%	Global
Glass Batch	Soda Ash	Non-Renewable	0.5-6%	North America
Glass Batch	Other Oxides	Non-Renewable	1-2%	North America
Glass Batch	Limestone	Non-Renewable	0-5%	North America
Binder	Carbohydrate Polyol	Renewable	2-10%	North America
Binder	Bio-Based Polycarboxlic Acid	Renewable	1-5%	North America
Binder	Cure Accelerator	Non-Renewable	0.2-1%	North America
Binder	Vegetable Oil	Renewable	0-3.5%	North America
Binder	Pink Colorant	Non-Renewable	0.1-0.2 % ➕	North America

ADDITIONAL ENVIRONMENTAL INFORMATION

PRE-CONSUMER RECYCLED CONTENT	minimum overall 65-73 %
POST-CONSUMER RECYCLED CONTENT	41-64 %
VOC EMISSIONS	GREENGUARD
WATER CONSUMPTION	2.575 gal/square meter

RECYCLING OR REUSE

At this time, there are no formal end-of-life recycling programs for fiberglass insulation.

ENERGY

RENEWABLE ENERGY	6.8 %	0.672 **MJ**
NON-RENEWABLE ENERGY	93.2 %	9.25 **MJ**

STANDARDS

ASTM C665-12
ASTM C518-10
ASHRAE Standard 90.2
ICC International Energy
Conservation Code

CERTIFICATIONS

MANUFACTURER CONTACT INFO

NAME	Owens Corning
PHONE	800-438-7465
EMAIL	
WEBSITE	www.owenscorning.com
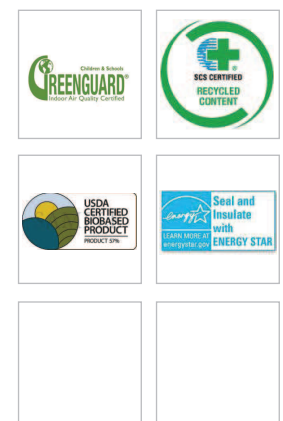
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