

COMPANY NAME

Owens Corning

PRODUCT TYPE

Building Envelope Thermal Insulation

PRODUCT NAME

EcoTouch® Foil Faced Insulation

PRODUCT DEFINITION

EcoTouch® PINK® FIBERGLAS™ Foil Faced Insulation with PureFiber® Technology is flexible insulation designed to improve the thermal performance of wall and roof/ceiling assemblies.

PRODUCT CATEGORY RULE (PCR)

Building Envelope Thermal Insulation v1.2

CERTIFICATION PERIOD

June 13, 2014 - June 13, 2019








DECLARATION NUMBER

4786077032.103.1



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 8.72E-1 kg CO2 eq	8.36E-8 kg CFC-11 eq	5.96E-2 kg O3 eq	3.22E-1 mol H+ eq	6.01E-4 kg N eq		
CML						

1 m2 of insulation material with a thickness that gives an average thermal resistance RSI = 1 m2•K/W and with a building service life of 60 years

FUNCTIONAL UNIT



Environment

MATERIAL CONTENT

Material content measured to 1%.

COMPONENT	MATERIAL	AVAILABILITY	MASS%	ORIGIN
Glass Batch	Cullet	Non-renewable, 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	1-3%	North America
Glass Batch	Limestone	Non-renewable	0-5%	North America
Binder	Carbohydrate Polyol	Renewable	2-10%	North America
Binder	Polycarboxylic Acid	Renewable	1-6%	North America
Binder	Cure Accelerator	Non-renewable	0.2-2%	North America
Binder	Vegetable Oil	Renewable	0-3.5%	North America
Binder	Pink Colorant	Non-renewable	0.1-0.3%	North America
Binder	Emulsifier	Renewable	0.1-0.3%	North America

ADDITIONAL ENVIRONMENTAL INFORMATION

PRE-CONSUMER RECYCLED CONTENT	22%
POST-CONSUMER RECYCLED CONTENT	36%
VOC EMISSIONS	GREENGUARD GOLD
WATER CONSUMPTION	17.84 kg/m2

RECYCLING OR REUSE

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

ENERGY

RENEWABLE ENERGY	20.5%	3.81 MJ
NON-RENEWABLE ENERGY	79.5%	14.80 MJ

STANDARDS

ASTM C518 - 10
ASTM C665 - 12

CERTIFICATIONS



MANUFACTURER CONTACT INFO

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The information presented herein is a summary of content contained in the manufacturer's ISO 14025-compliant EPD certified by UL. Please visit www.ul.com/environment to download the full EPD.
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