CERTIFIED
ENVIRONMENTAL PRODUCT DECLARATION
UL.COM/EPD

EPD **Transparency Summary**

COMPANY NAME	**Owens Corning**
PRODUCT TYPE	**Metal Building Insulation**
PRODUCT NAME	EcoTouch® Insulation for Metal Building Utility Blanket
PRODUCT DEFINITION	Owens Corning® EcoTouch® Insulation for Metal Building manufactured in the United States, Metal Building Utility Blanket

PRODUCT CATEGORY RULE (PCR)	Product Category Rules for preparing an Environmental Product Declaration (EPD) for Product Groups: Building Envelope Thermal Insulation and Mechanical Insulation, Version 1.3, 1 June 2014.
CERTIFICATION PERIOD	**11/09/15 - 11/09/20**
DECLARATION NUMBER	**4786077032.109.1**

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	**2.17E+00** kg CO2 eq	**2.91E-07** kg CFC-11 eq	**1.18E-01** kg O3 eq	**1.36E-02** kg SO2 eq	**5.20E-03** kg N eq		
CML							

FUNCTIONAL UNIT: 1 m² 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

Environment

MATERIAL CONTENT

Material content measured to 1%.

COMPONENT	MATERIAL	AVAILABILITY	MASS%	ORIGIN
Glass Batch	Cullet	Non-Renewable, Recycled	25-75%	North America
Glass Batch	Sand	Renewable	5-50%	North America
Glass Batch	Borates	Non-Renewable	10-30%	Global
Glass Batch	Soda Ash	Non-Renewable	<15%	North America
Glass Batch	Oxides	Non-Renewable	<5%	North America
Binder	Carboxylic Acid	Non-Renewable	<5%	North America
Binder	Polyol	Renewable	<5%	North America
Binder	Additives	Non-Renewable	<5%	North America

ADDITIONAL ENVIRONMENTAL INFORMATION

PRE-CONSUMER RECYCLED CONTENT	18%
POST-CONSUMER RECYCLED CONTENT	47%
VOC EMISSIONS	GREENGUARD Gold
WATER CONSUMPTION	1.14E-04 m3

RECYCLING OR REUSE

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

ENERGY

RENEWABLE ENERGY	5.87 %	2.15E+00 MJ
NON-RENEWABLE ENERGY	94.13 %	3.44E+01 MJ

STANDARDS

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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