

EPD TRANSPARENCY BRIEF

Product name:	Rapid Set® Cement
Description:	Rapid-hardening hydraulic cement
Declared unit:	1 tonne of cement product



Acronym	Life Cycle Impact Metrics	Unit	Value
PCOP	Photochemical oxidation potential	kg NO _x -eq	0.419
ODP	Ozone layer depletion potential	kg CFC-11-eq	0.000258
GWP	Global warming potential	kg CO ₂ -eq	673
EP	Eutrophication potential	kg N	0.0531
AP	Acidification potential	moles of H ⁺ -eq	55.8

Acronym	Life Cycle Inventory Metrics	Unit	Value
WDP	Water depletion potential	m ³	0.392
TPE	Total primary energy	MJ-eq	2,850
RR	Renewable resources	m ³	0.00097
RE	Renewable energy	MJ-eq	108
NRR	Non-renewable resources	kg	125
NRE	Non-renewable energy	MJ-eq	2,740
LFW	Landfill bulk waste	kg waste	58.2
LFHW	Landfill hazardous waste	kg waste	0.00474
ADP _f	Abiotic depletion-fossil fuel	MJ, net calorific value	2,570
ADP _e	Abiotic depletion-elements	kg Sb-eq	0.0133

SYSTEM BOUNDARY – Life Cycle Scope Considered:

A1 - A3 PRODUCT STAGE



A1 RAW MATERIAL SUPPLY
A2 TRANSPORT
A3 MANUFACTURING

A4 - A5 INSTALLATION PROCESS STAGE

A4 TRANSPORT TO SITE
A5 INSTALLATION PROCESS

Not Defined

B1 - B7 USE STAGE

B1 USE
B2 MAINTENANCE
B3 REPAIR
B4 REPLACEMENT
B5 REFURBISHMENT
B6 OPERATIONAL ENERGY USE
B7 OPERATIONAL WATER USE

Not Defined

C1 - C4 END OF LIFE STAGE

C1 DE-INSTALLATION/
DEMOLITION
C2 TRANSPORT
C3 WASTE PROCESSING
C4 DISPOSAL OF WASTE

Not Defined



Declared Product:	This environmental product declaration (EPD) covers cement products produced by CTS Cement Manufacturing Corp. Declared unit: 1 tonne of cement product
Declaration Owner:	CTS Cement Manufacturing Corp. 12442 Knott St. Garden Grove, CA 92841 www.ctscement.com
Program Operator:	Labeling Sustainability 11670 W. Sunset Blvd. Los Angeles, CA 90064 www.labelingsustainability.com
Product Category Rule (PCR):	Core Product Category Rule (PCR) ISO 21930:2017: Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services; Subcategory PCR (used only as guidance document) NSF International (March 2020). PCR for ISO 14025 Type III EPD of Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements. Valid through March 31, 2025. Subcategory PCR Program Operator: NSF International Subcategory PCR Review Conducted By: <ul style="list-style-type: none"> • Jack Geilbig, EcoForm, 2624 Abelia Way, Suite 611, Knoxville, TN 37931; jgeilbig@ecoform.com • Thomas Gloria, Industrial Ecology Consultants, 35 Bracebridge Road, Newton, MA 02459-1728; t.gloria@industrial-ecology.com • Bill Stough, Sustainable Research Group, P.O. Box 1684, Grand Rapids, MI 49501-1684; bstough@sustainableresearchgroup.com
Independent Verifier:	Life cycle assessment (LCA) independently reviewed in accordance with ISO 14044 and referenced PCR. EPD independently verified in accordance with ISO 14025:2006 <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External Third-Party Verifier: Geoffrey Guest, certified under Labeling Sustainability (www.labelingsustainability.com), CSA Group (www.csaregistries.ca)
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