Transparency through Standardization: Environmental Product Declarations (EPDs)



WHAT IS AN EPD?

Environmental Product Declarations (EPDs) are comparable to a "nutrition label" for products which report a selection of environmental impacts. These third-party verified EPDs are what we use to provide environmental information on our products. Because of this verification, we're able to confidently assert the sustainable benefits of products like **EvoBuild™ low carbon concrete** as compared to industry benchmarks. The value to our customers is clear; they're able to compare the embodied carbon impacts of different mixes and materials to select the most sustainable option. It also helps our business by providing visibility into our entire supply chain and where we can optimize solutions to potentially help reduce the environmental impacts.



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ENVIRONMENTAL PRODUCT DECLARATION

XX

This Environmental Product Declaration (EPD) reports the impacts for 1 m of ready mixed concrete mix, meeting the following specifications:

 ASTM C94: Ready-Mixed Concrete UNSPSC Code 30111505: Ready Mix Concrete CSA A23.1/A23.2: Concrete Materials and Methods of Concrete Construction CSI Division 03-30-00: Cast-in-Place Concrete ENVIRONMENTAL IMPACTS Declared Product: Mix: GC25D37B0C08 Description: GENERAL 25MPA 14MM F2 Compressive strength: 25 MPa at 28 days

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 Global Warming Potential (kg CO₂-eq)
 213

 Ozone Depletion Potential (kg CO₂-eq)
 213

 Ozone Depletion Potential (kg CO₂-eq)
 6.84E-6

 Acidification Potential (kg SO₂-eq)
 0.20

 Photochemical Ozone Creation Potential (kg O₃-eq)
 0.22

 Photochemical Ozone Creation Potential (kg O₃-eq)
 24.3

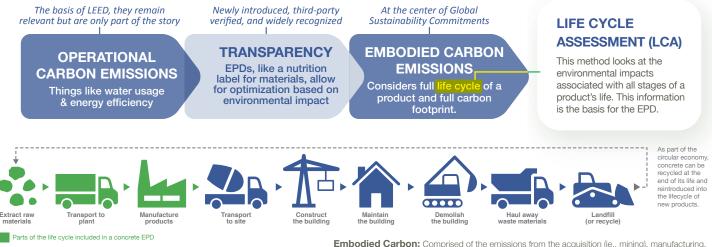
 Abiotic Depletion, non-fossil (kg D)
 1,210

 Total Waste Disposed (kg)
 0.28

Similar to a "nutrition label," EPDs transparently communicate the environmental performance or impact of a product or material

OPERATIONAL VS. EMBODIED CARBON: EPDs & PAST BENCHMARKS

Understanding carbon reduction levers is important, but having a way to uniformly measure a product's environmental impact is just as crucial. EPDs offer that accounting, furthering the transparency behind sustainability claims.



Embodied Carbon: Comprised of the emissions from the acquisition (ie., mining), manufacturing, transportation, installation, maintenance and end-life of building materials.