

CDOT Environmental Product Declaration (EPD) Submission

Note: A Google email address (Gmail) is required to submit information with this form.

Please contact CDOT_EPd@state.co.us if you have any questions or special accommodation needs.

Email *

hailey.goodale@state.co.us

Name of Submitter *

Hailey Goodale

Company of Submitter *

ABC Construction

Project Information

CDOT Subaccount Number (5-digit) *

12345

CDOT Region/Location *

- Region 1 - Denver/Central Colorado
- Region 2 - Southeast Colorado
- Region 3 - Northwestern Colorado
- Region 4 - Northeastern Colorado
- Region 5 - Southwestern Colorado

Prime Contractor *

ABC Construction

Contact Email for Responsible EPD Collection Party (CDOT or Consultant Project Engineer) *

Note: The EPD submission will be forwarded to the email address entered in this field.

CDOT_PE@state.co.us

Material Information

CDOT Bid Item Number (E.g. 100-00000) *

403-34751

Material Type *

Asphalt Mixture

Concrete Mixture

Steel

Cement

Other:

Quantity of Bid Item Material *

Please ensure the bid item quantity entered is the quantity of material represented by this EPD submission.

5000

Bid Item Material Unit *

Ton (TON) ▼

Form 43 Number (If Applicable)

12020T003

Special Provisions Pertaining to the Material (If Applicable)

For example, if a Balanced Mix Design (BMD) or Performance Engineered Mixture (PEM) is being utilized it'd be noted here.

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Material Supplier Name *

Elam Construction

Material Supplier Address *

Please ensure the address entered in this field is representative of where the material is coming from, rather than the Material Supplier's corporate address.

2353 River Road

Material Supplier City *

Grand Junction

Material Supplier State *

Colorado

Material Supplier County (Mobile Plants Only)

Producing Mill for Steel (If Applicable)

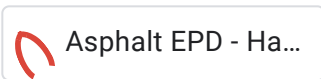
Producing Mill for Steel Address (If Applicable)

Producing Mill for Steel City (If Applicable)

Producing Mill for Steel State (If Applicable)

EPD and Product Category Rule Information

EPD File Upload (PDF Preferred) *



EPD Declaration Number *

48.133.276 v1

EPD Type *

Plant/Facility Specific (specific producer and location)

State Specific (Colorado specific)

Supplier Specific (average of multiple locations)

National Industry Average

Other:

Bid Item Material Constituents | Used Facility Specific Data for EPD Development (e.g. asphalt binder, cement and milled steel fabrication)

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EPD Publication Date *

MM DD YYYY

04 / 19 / 2022

EPD Expiration Date *

MM DD YYYY

03 / 31 / 2027

Product Category Rule / Standard(s) Used for EPD Development *

Asphalt Mixtures: National Asphalt Pavement Association Product Category Rules for Asphalt Mixtures. Version 2. April 2022.

Concrete Mixtures: NSF PCR for Concrete. Version 1. February 22, 2019

Steel: UL PCR Guidance for Building-Related Products and Services Part B: Designated Steel Construction Product EPD Requirements. Standard 10010-34, Edition 2. August 26, 2020

Cement: NSF PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements. Version 2. March 2020

Precast Concrete: NSF PCR for Precast Concrete – UNCPC: 37550. Version 3. May 05, 2021

ISO 14025

ISO 21930

EN 15804

Other:

Third Party Reviewed and Verified? *

Yes

No

EPD Owner / Company *

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EPD Declared Unit Table

Material	Declared Unit (METRIC)
Asphalt	Metric Ton
Concrete	Cubic Meter
Reinforcing Steel	Metric Ton
Cement	Metric Ton

EPD Declared Unit (METRIC UNITS ONLY) *

Asphalt Mixtures: Metric ton ▼

US to Metric Conversion Table (Source: CDOT Field Materials Manual Appendix H)

Conversion Factors - U.S. to Metric S.I.

Quantity	U.S.	Metric Unit (SI)	Multiply by
Length	mile	kilometer (km)	1.609 344
	yard	meter (m)	0.914 4
	foot	meter (m)	0.304 8
	foot	millimeter (mm)	304.8
	inch	millimeter (mm)	25.4
Area	acre	Hectares (ha)	0.404 685 6
	square yard	square meter (m ²)	0.836 127 36
	square foot	square meter (m ²)	0.092 903 04
	square inch	square millimeter (mm ²)	645.16
Volume	cubic yard	cubic meter (m ³)	0.764 555
	cubic foot	cubic meter (m ³)	0.028 316 8
	cubic inch	cubic millimeter (mm ³)	16 387.064
	gallon	Liter (L)	3.785 41
Mass	ton	metric ton (t)	0.907 184
	pound	kilogram (kg)	0.453 592
	ounce	gram (g)	28.3495
Temperature	°Fahrenheit	°Celsius	(°F-32) 5/9
Pressure	psi	kilopascals (kPa)	6.894 76

Conversion Factors - Metric S.I. to U.S.

Quantity	Metric Unit (SI)	U.S.	Multiply by
Length	kilometer (km)	mile	0.621 371
	meter (m)	yard	1.093 6
	meter (m)	foot	3.280 84
	millimeter (mm)	foot	0.003 28
	millimeter (mm)	inch	0.039 37

Project Quantity in EPD Declared Unit (METRIC UNITS ONLY) *

Example -- Bid Item Quantity: 8500 SY @ 9" thickness = 2125 CY. 2125 CY * .764555 = 1625 m³

Quantity Conversion to Metric Mass Unit (If Already in Mass unit, Conversion Factor = 1) *

For example --- Given: Project Quantity in EPD Declared Unit = 1625 m³. 1 m³ of this mix = 2.4 metric tons. 1625 m³ * 2.4 metric tons/m³ = 3900 metric tons. The user would enter 3900. If the declared unit is Metric Ton, this field will be the same as the field above.

4536

Conversion Factor Explanation

Example Entry: 1 m³ of this mix weighs 2.4 metric tons.

Global Warming Potential (kg CO₂-eq) for A1 Module

40.83

Global Warming Potential (kg CO₂-eq) for A2 Module

3.14

Global Warming Potential (kg CO₂-eq) for A3 Module

17.74

Global Warming Potential (kg CO₂-eq) for A1 - A3 Modules *

Note: For reinforcing steel, enter the GWP for the fabricated product (if applicable).

61.70

Comments (If Applicable)

This form was created inside of State.co.us Executive Branch.

Google Forms