

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.

Name of Submitter *

Hailey Goodale

Company of Submitter *

ABC Construction

Project Information

CDOT Subaccount Number *

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) *

CDOT_PE@state.co.us

Material Information

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

412-00900

Material Type *

Concrete

Cement

Asphalt

Steel

Other:

Material Supplier Name *

Burnco Colorado

Material Supplier Address *

5901 York St

Material Supplier City *

Denver

Material Supplier State *

Colorado

Material Supplier County (Mobile Plants Only)

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Producing Mill for Steel (If Applicable)

.....

Producing Mill for Steel Location (If Applicable)

.....

Quantity of Bid Item Material *

8500

.....

Bid Item Material Unit *

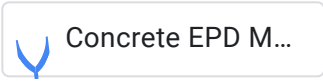
Square Yard (SY) ▼

Special Provisions Pertaining to the Material (If Applicable)

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EPD and Product Category Rule Information

EPD File Upload (PDF Preferred) *



EPD Declaration Number *

NRMCAEPD: 20029

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)

EPD Publication Date *

MM DD YYYY

10 / 02 / 2021

EPD Expiration Date *

MM DD YYYY

10 / 02 / 2026

Product Category Rule / Standard Used for EPD Development *

- Cement: NSF PCR for Portland, Blended, Masonry, Mortar, and Plastic (Stucco) Cements. Version 2. March 2020
- Asphalt Mixtures: National Asphalt Pavement Association Product Category Rules for Asphalt Mixtures. Version 2. April 2022.
- Concrete: NSF PCR for Concrete. Version 1. February 22, 2019
- Precast Concrete: NSF PCR for Precast Concrete – UNCPC: 37550. Version 3. May 05, 2021
- 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
- ISO 14025
- ISO 21930
- EN 15804
- Other:

Third Party Reviewed? *

- Yes
- No

EPD Owner / Company *

Burnco Colorado

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) *

Concrete: Cubic meter ▼

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

1625

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.

3900

Conversion Factor Explanation

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

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

270

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

16.8

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

13.8

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

300

Comments (If Applicable)

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