

# 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](mailto: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) \*

602-00000

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.

85000 .....

Bid Item Material Unit \*

Pound (LB) ▼

Form 43 Number (If Applicable)

.....

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 \*

Nucor

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.

1915 Rexford Rd

Material Supplier City \*

Charlotte

Material Supplier State \*

North Carolina

Material Supplier County (Mobile Plants Only)

Producing Mill for Steel (If Applicable)

Nucor Steel Utah

Producing Mill for Steel Address (If Applicable)

7285 W21200N W Cemetery Rd

Producing Mill for Steel City (If Applicable)

Plymouth

Producing Mill for Steel State (If Applicable)

Utah

### EPD and Product Category Rule Information

EPD File Upload (PDF Preferred) \*



EPD Declaration Number \*

4789793365.101.1

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

01 / 01 / 2021

EPD Expiration Date \*

MM DD YYYY

01 / 01 / 2026

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 \*

Nucor Corporation .....

## EPD Declared Unit Table

<b>Material</b>	<b>Declared Unit (METRIC)</b>
Asphalt	Metric Ton
Concrete	Cubic Meter
Reinforcing Steel	Metric Ton
Cement	Metric Ton

## EPD Declared Unit (METRIC UNITS ONLY) \*

Reinforcing Steel: 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
<b>Length</b>	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
<b>Area</b>	acre	Hectares (ha)	0.404 685 6
	square yard	square meter (m <sup>2</sup> )	0.836 127 36
	square foot	square meter (m <sup>2</sup> )	0.092 903 04
	square inch	square millimeter (mm <sup>2</sup> )	645.16
<b>Volume</b>	cubic yard	cubic meter (m <sup>3</sup> )	0.764 555
	cubic foot	cubic meter (m <sup>3</sup> )	0.028 316 8
	cubic inch	cubic millimeter (mm <sup>3</sup> )	16 387.064
	gallon	Liter (L)	3.785 41
<b>Mass</b>	ton	metric ton (t)	0.907 184
	pound	kilogram (kg)	0.453 592
	ounce	gram (g)	28.3495
<b>Temperature</b>	°Fahrenheit	°Celsius	(°F-32) 5/9
<b>Pressure</b>	psi	kilopascals (kPa)	6.894 76

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

Quantity	Metric Unit (SI)	U.S.	Multiply by
<b>Length</b>	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 m<sup>3</sup>

38.5

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

For example --- Given: Project Quantity in EPD Declared Unit = 1625 m<sup>3</sup>. 1 m<sup>3</sup> of this mix = 2.4 metric tons. 1625 m<sup>3</sup> \* 2.4 metric tons/m<sup>3</sup> = 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.

38.5

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Conversion Factor Explanation

Example Entry: 1 m<sup>3</sup> of this mix weighs 2.4 metric tons.

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Global Warming Potential (kg CO<sub>2</sub>-eq) for A1 Module

709

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Global Warming Potential (kg CO<sub>2</sub>-eq) for A2 Module

44.5

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Global Warming Potential (kg CO<sub>2</sub>-eq) for A3 Module

15.4

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Global Warming Potential (kg CO<sub>2</sub>-eq) for A1 - A3 Modules \*

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

769

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Comments (If Applicable)

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