
GETTING TO ZERO TECH FORUM 2026

Solving Embodied Carbon Compliance

Turning Hurdles into a Competitive Advantage

Kristin Brubaker, Head of Sustainable Construction Solutions, **Green Badger**

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INTRODUCTION

Kristin Brubaker

Head of Sustainable Construction Solutions, **Green Badger**





Owner ESG Requirements Buy Clean LEED v5

Embodied carbon is the future of
green design and construction.



The innovation we need is an **embodied carbon workflow**—layered on top of everything else sustainability already requires—from design to construction.

Enter Green Badger



SEARCH SUSTAINABLE MATERIALS



Filter Options

Manufacturer

Type manufacturer name... 

- ☒ Sustainable Attribute
- ☒ CSI Division
- ☒ Data Source

☐ EC3

☒ Green Badger

☐ HPD

Reset

Apply

 ADD ENTRY

SAVED PRODUCTS

VIEW COMPARISON (FROM 1 TO 3)

All categories

Hide categories

Search by product, name, manufacturer or brand

Search

+ Add Custom

Proceed

Show all

Pick a category



Concrete



Rebar



Asphalt



Steel



Doors and Hardware



Insulation



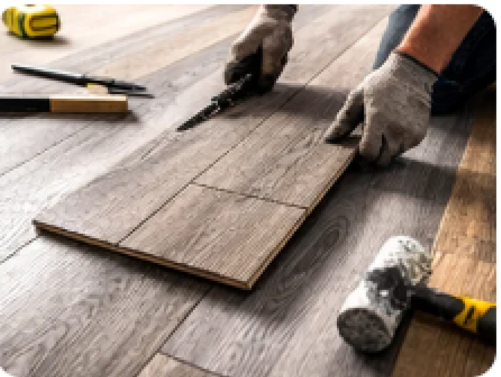
Glazing



Gypsum Board



Paint



Flooring

	CSI Divi... 	Manufacturer 	Product Name 	Data Source 	CMF	LEED...	Carbon GWP 	# of Docs	Attributes
	03 20 00	Gerdau	Rebar, Whitby, ON Steel Mill	Green Badger	  	3.9	832  ↓ 3% below baseline		EPD III External HPD HPD 3d P. Verif. Recycled Content Pre 7.6% + Post 81%
	05 00 00	Gerdau	Merchant Bar - Cambirdge ON	Green Badger	  	3.9	591  ↓ 22% below baseline		EPD III External HPD HPD 3d P. Verif. Recycled Content Pre 7.6% + Post 81%
	05 00 00	Gerdau	Structural Steel - Cartersville	Green Badger	  	3.8	867  ↓ 56% below baseline		EPD III External HPD HPD 3d P. Verif. Recycled Content Pre 12.75% + Post 71.8%
	03 20 00	Gerdau	Rebar, Knoxville, TN Steel Mill	Green Badger		2.0	N/A No data		HPD HPD 3d P. Verif.
	05 00 00	Gerdau	Structural Steel - Midlothian	Green Badger	  	3.9	888  ↓ 55% below baseline		EPD III External HPD HPD 3d P. Verif. Recycled Content Pre 4.7% + Post 87.3%
	05 00 00	Gerdau	Merchant Bar - Calvert City	Green Badger		2.0	1070 		HPD HPD 3d P. Verif.



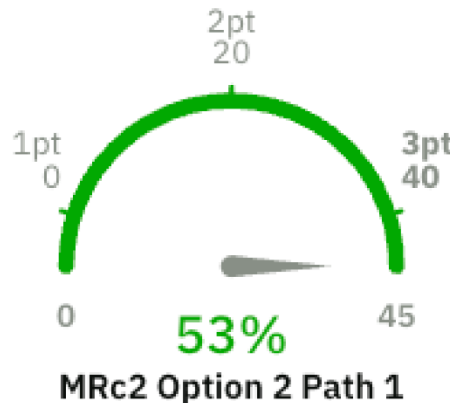
Manufacturer	Gerdau	Gerdau	Gerdau
Material	Merchant Bar - Cambridge ON ★ REMOVE FROM COMPARISON ADD TO PROJECT	Merchant Bar - Calvert City ★ REMOVE FROM COMPARISON ADD TO PROJECT	Merchant Bar - Midlothian ★ REMOVE FROM COMPARISON ADD TO PROJECT
CSI Division	05 00 00	05 00 00	05 00 00
Carbon GWP	Rebar, unfabricated ⓘ Baseline 1 * t = 753 kg*CO₂ Actual 1 * t = 591 kg*CO₂ ↓ 22% REDUCTION	Rebar, unfabricated ⓘ Baseline 1 * t = 753 kg*CO₂ Actual 1 * t = 1070 kg*CO₂ ↑ 42% INCREASE	Rebar, unfabricated ⓘ Baseline 1 * t = 753 kg*CO₂ Actual 1 * t = 742 kg*CO₂ ↓ 1% REDUCTION
Attributes	• EPD III External • HPD HPD 3d P. Verif. • Recycled Content Pre 7.6% + Post 81%	• HPD HPD 3d P. Verif.	• EPD III External • HPD HPD 3d P. Verif. • Recycled Content Pre 4.7% + Post 87.9%
Common Materials Framework	   	  	

collapse

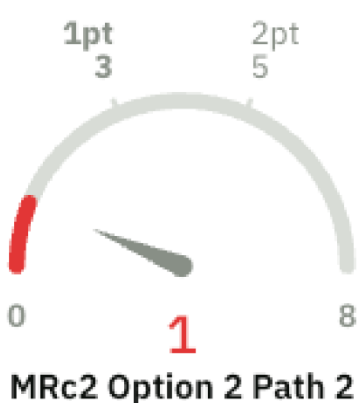
Whole Building LCA



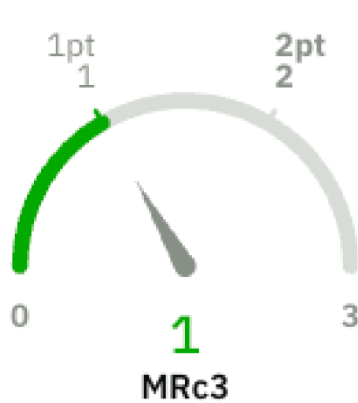
Average GWP Reduction %



Category Coverage



Low Emitting



Building Product Selection and Procurement



Embodied Carbon by CSI Division (Path 1)

CSI Division	Baseline (kg CO ₂ e)	Actual (kg CO ₂ e)
Division 05	21,468,509	10,028,012
Division 07	7,956	8,384
Division 09	82,757	49,103

Embodied Carbon by Category (Path 2)

Category	Baseline (kg CO ₂ e)	Actual (kg CO ₂ e)
Steel	21,468,509	10,028,012
Insulation	7,956	8,384

X

✕

Draft Date	Feb 28, 2025
Total Due	\$ 236.00

Select fuel type...

18TU

Select service provider...

Start Date:

End Date:

NO

Select team member...

Approved ▼

No Actions Available

☒ YES

Comments

SAVE

You can cut the time spent on embodied carbon tracking by **60% with Green Badger.**

LEED / PRODUCTS

Add LCA

Export

Add Entry

OVERALL PROJECT MATERIALS

PROJECT SUBMITTALS

PRODUCT DIALS

PRODUCT COMPLIANCE

Collapse

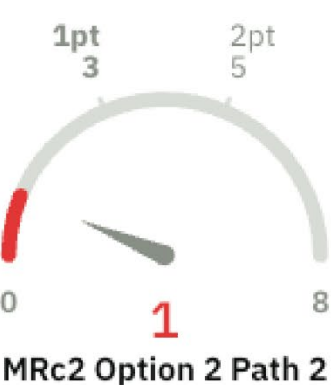
Whole Building LCA



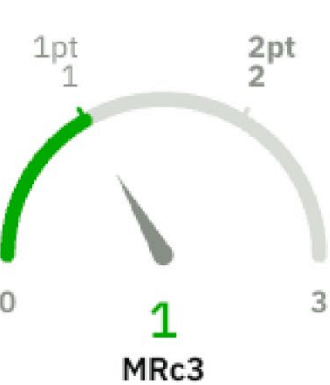
Average GWP Reduction %



Category Coverage



Low Emitting



Building Product Selection and Procurement



**One platform.
From design through punch list.**

Thank you!

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