



PRODUCT EPD NAME AND VALIDITY PERIOD	Ultima® Low Embodied Carbon Ceiling Panels 2/15/2024 - 2/15/2029
REFERENCE EPD NAME AND VALIDITY PERIOD	Ultima® Ceiling Panels 2/15/2024 - 2/15/2029
PRODUCT CATEGORY RULES	UL Environment PCR for Building-Related Products & Services – Part A (Dec. 2018, V.3.2) UL Environment PCR Part B: Non-Metal Ceiling Panel & Wall Panel System (April 2021, V.2.0)
LIFE CYCLE STAGES	Cradle to Gate (A1-C4) with Options
DECLARED UNIT	1 square foot of product



Ultima® Low Embodied Carbon

ENVIRONMENTAL IMPACT REDUCTION

	Global Warming Potential, incl. biogenic carbon [kg CO ₂ eq./ft ²]
Ultima® Ceiling Panels (A1-A3)	0.327
Ultima® Low Embodied Carbon Ceiling Panels (A1-A3)	0.187
Global Warming Potential Reduction	-43%

OPTIMIZATION SOURCES

Ultima® Low Embodied Carbon Ceiling Panels are formulated to replace high embodied raw materials with renewable, biobased materials (biochar) that sequester carbon and have a lower global warming potential.

COMPARISON SUMMARY

Ultima® Low Embodied Carbon Ceiling Panels reduce the Global Warming Potential (GWP) by 43% when compared to standard Ultima® Ceiling Panels.

INTERPRETATION

The LCA studies for both optimized Ultima® Low Embodied Carbon Ceiling Panels and standard Ultima® Ceiling Panels used the same PCR. Both studies used the same scope, boundaries, software (LCA FE) and model, background process datasets, and allocation procedures. All relevant criteria were identical between the two studies. It is for these reasons that the LCA results in the EPD are comparable and the comparison is valid.

LEED CREDIT ACHIEVEMENT

Contributes to LEED v4.1 MR Environmental Product Declarations Credit, Option 1 and Option 2 – Embodied Carbon/LCA Optimization at 1.5 products.

VERIFIER

Tim Brooke, Vice President, Laboratory Services

EXPIRATION DATE

2/15/2029

