

LEED v4 and v4.1 Credit Analysis: Porcelain Tile

Credit Category	Credit Name	Documentation to Provide	Credit Option 1: Disclosure	Credit Option 2: Optimization	LEED v4.1 Point Contribution	Multiplier
Materials & Resources (MR)	Construction and Demolition Waste Management	Tile Reclamation Program: Link	Manufacturer participates in an extended producer responsibility ("Take Back") program.	Manufacturer participates in an extended producer responsibility ("Take Back") program.	Crossville's Tile Take Back Program provides a solution for 1 waste stream category. Point value based on weight or volume of waste. This will be determined at time of submittal.	N/A
Materials & Resources (MR)	Building Product Disclosure and Optimization— Environmental Product Declarations	EPD: Link LCA/EPD Optimization Assessment: Link	Type III ISO 21930 compliant product-specific cradle-to-grave EPD with external third party verification.	LCA/EPD Optimization Assessment with an embodied carbon (GWP) reduction 10%+ in GWP relative to baseline	Disclosure: Valued as 1.5 products Optimization: Valued as 1.5 products	Products sourced (extracted, manufactured and purchased) within 100 miles of project site are valued at 2x their base cost, up to a maximum of 200% of cost or 2 products.
Materials & Resources (MR)	Building Product Disclosure and Optimization—Sourcing of Raw Materials	Tile Reclamation Program: Link	Manufacturer participates in an extended producer responsibility ("EPR" or "Take Back") program. Crossville's Tile Reclamation Program is a valid EPR program.		Products meeting extended producer responsibility criteria are valued at 50% of their cost for the purposes of credit achievement calculation. Total value determined at time of submittal.	Products sourced (extracted, manufactured and purchased) within 100 miles of project site are valued at 2x their base cost, up to a maximum of 200% of cost or 2 products.
Materials & Resources (MR)	Building Product Disclosure and Optimization — Material Ingredients	LEED-compliant third-party verified HPD: Link Third-party verified Red List Free Declare Label: Link Living Product Challenge: Link	LEED Compliant HPD or Declare Label to 100 ppm and Third-party verified.	Living Product Challenge certified product that achieves Imperative 09: Transparent Material Health (Retroactive 2.0, Shades 2.0, and Color Blox 2.0). Red List Free, Third Party Verified Declare Label or HPD that meets optimization and verification criteria.	<u>Disclosure (Option 1)</u> : Valued as 1.5 products - Declare Label <u>Optimization (Option 2)</u> : Valued as 1.5 products - Retroactive 2.0, Shades 2.0 and Color Blox 2.0 using LPC pathway Valued as 1 product - All other products with Declare Label or Third Party Verified and Optimized HPD	Products sourced (extracted, manufactured and purchased) within 100 miles of project site are valued at 2x their base cost, up to a maximum of 200% of cost or 2 products.
Indoor Environmental Quality (EQ)	Low-Emitting Materials	Tile Low-Emitting Material: Link	Per LEED, Tile is defined as inherently a low emitting material.		1 Point Contribution	N/A

This credit analysis is only applicable to porcelain tile products manufactured at the Crossville campus in Crossville, TN.

LEED v4 and v4.1 Pilot Credit Analysis: Porcelain Tile

Credit Category	Credit Name	Documentation Needed	Credit Pathways	Credit Contribution
Pilot Credit	MRpc112: Certified Multi-attribute Products and Materials	Green Squared (G2) Certificate: Link	Green Squared (G2) Certification	1
Pilot Credit	MRpc132: Procurement of Low Carbon Construction Materials	Third-Party Verified Cradle-to-Grave EPD	Third-Party Verified EPD	N/A
Pilot Credit	MRpc131: Circular Products	Third-Party Verified Cradle-to-Grave EPD or Circularity Report	Designed for Circularity	Valued as 1 product