

Potential score for LEED - Coswick Hardwood flooring



Coswick Ltd. supports the use of green building methods and energy-efficient design in all projects for new building construction and renovation. Hardwood Coswick floors are manufactured on the basis of designs allowing to maintain these methods and gain LEED points under the Rating System for certification of the so-called "green" buildings - LEED (The Leadership in Energy & Environmental Design), developed by the USGBC (United States Green Building Council).

USGBC LEED NC 2009				Potential Contribution	Coswick Flooring
Categories		Credits	Intent		
SS	Sustainable Site			0 point	
WE	Water Efficiency			0 point	
EA	Energy & Atmosphere	EAc1 Minimum energy performance	To establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use.	1 point	There is no need to develop additional measures for minimum energy performance when using hardwood flooring Coswick made of natural wood in construction and decoration. Average estimated thermal conductivity of Coswick flooring is 0,17 W/(m*K), i.e. the flooring is comfortable for use without additional heating \ cooling, provided there is proper thermal protection of a building.
MR	Materials & Resources	MRp1 Storage and collection of recyclables	To facilitate the reduction of waste generated by building occupants that is hauled to and disposed of in landfills.	Required	The percentage of waste after Coswick hardwood flooring installation is almost zero. There is no need to develop additional measures directed to building refuse salvage.
		MRc1.2 Building reuse - maintain interior nonstructural elements	To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport. Use existing interior nonstructural elements (e.g., interior walls, doors, floor coverings and ceiling systems) in at least 50% (by area) of the completed building, including additions.	1 point	Coswick hardwood flooring can be easily maintained and renewed, i.e. reused in case of a building reconstruction, due to its high quality and durability. Flooring can be sanded (finish can be removed), and refinished in case of necessity (salvage ability - up to 100%).
		MRc3 Materials reuse	To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources.	1-2 points	Coswick hardwood flooring can be easily maintained and renewed, i.e. reused in case of a building reconstruction, due to its high quality and durability. Flooring can be sanded (finish can be removed), and refinished in case of necessity (salvage ability - up to 100%). Coswick engineered hardwood flooring with CosLoc5G profile can be uninstalled in case of floating installation and reused again in the same or a different building (salvage ability – up to 100%).

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		MRC4 Recycled Content	To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.	1 point	Coswick Ltd use preconsumer* content at least 10% for bottom layer production. *Preconsumer material is defined as material diverted from the waste stream during the manufacturing process. Reutilization of materials (i.e., rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it) is excluded.
		MRC5 Regional Materials	To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.	1-2 points	This requirement can be fulfilled, depending on wood suppliers and construction site location.
IEQ	Indoor Environmental Quality	EQc3.2 Construction IAQ management plan - before occupancy	To reduce indoor air quality (IAQ) problems resulting from construction or renovation to promote the comfort and well-being of construction workers and building occupants.	1 point	Coswick Ltd regularly test its products for formaldehyde emission and pentachlorophenol content (emission). According to the carried-out tests: - formaldehyde emission of all Coswick floors is - E1 (3-layer and Solid – NAUF; 2-layer - ULEF) / CARB Phase 2 - pentachlorophenol content (emission) - <5 ppm.
		EQc4.3 Low-emitting materials: Flooring systems	To reduce the quantity of indoor air contaminants that are odorous, irritating and /or harmful to the comfort and well-being of installers and occupants.	1 point	Coswick hardwood satisfy the VOS emission requirements. Test report: 2100132R1 dated 15.04.2021 Materials Analytical Services, LLC-ATLANTA.
		EQc4.4 Low-emitting materials: Composite wood and Agrifiber products	To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. Composite wood and agrifiber products used on the interior of the building (i.e. inside the weatherproofing system) must contain no added urea-formaldehyde resins.	1 point	In the process of Coswick hardwood floors production no materials containing urea-formaldehyde resins (NAUF) are used.
ID	Innovation and Design Process	IDc1 Innovation in Design Part 2	To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in green building categories not specifically addressed by the LEED Green Building Rating System.	1-2 points	Coswick hardwood flooring can contribute to the following categories: - 40% of the regional materials for MRC5 credit (depending on suppliers' and project's location). - 100% FSC certified wood for MRC7 credit.
RP	Regional Priority	RPC1 Regional Priority	To provide an incentive for the achievement of credits that address geographically specific environmental priorities.	1-4 points	A database of Regional Priority Credits and their geographic applicability is available on the USGBC (U.S. Green Building Council) Web site. One point is awarded for each Regional Priority credit achieved. Not more than 4 credits identified as Regional Priority credits can be earned. USGBC has prioritized credits for projects located in the U.S., Puerto Rico, the U.S. Virgin Islands, and Guam. All other international projects should check the database for eligible Regional Priority credits.
Total:				Up to 16 points	