LEED CONTRIBUTIONS
SOLID CARBON BIOLOCK
CARBON SEQUESTRATION ADMIXTURE

SOLID CARBON

OVERVIEW

LEED (Leadership in Energy and Environmental Design) is an internationally recognized certification system that fosters sustainability in building design, construction, and operation. Integrating Solid Carbon BioLock into a building project can aid in pursuing LEED certification. Below, you'll find a list of LEED v4.1 credits, along with their objectives and how Solid Carbon can contribute to them. Note that Solid Carbon BioLock alone cannot earn a LEED credit; it must be used alongside other products that meet the credit's requirements. LEED applicants are responsible for evaluating product characteristics to determine their relevance to LEED certification. This document does not offer specific guidance on earning credits; instead, it suggests how Solid Carbon BioLock could play a role. Consult the USGBC Credit Library for detailed information on each credit and its requirements.

CREDIT: BUILDING LIFE-CYCLE IMPACT REDUCTION

Intent: To encourage adaptive reuse and optimize the environmental performance of products and materials.

Contribution: Solid Carbon BioLock can contribute to LEED credit for Building Life-Cycle Impact Reduction by providing material with reduced environmental impact. When incorporated into building structures and enclosures, it helps lower carbon emissions compared to traditional materials. This can assist in achieving the targeted reductions in global warming potential, part of the credit's requirements.

CREDIT: ENVIRONMENTAL PRODUCT DECLARATIONS

Intent: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.

Contribution: Solid Carbon BioLock contributes to the LEED credit for Environmental Product Declarations (EPD) by offering a product that provides life cycle impact transparency, including raw material sourcing, manufacturing, and disposal. It can provide the maximum contributions to this credit by a single material, by having an EPD report produced by WAP sustainability and published by ASTM.

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CREDIT: SOURCING OF RAW MATERIALS

Intent: To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

Contribution: Solid Carbon BioLock can contribute to the LEED credit for Sourcing of Raw Materials by being a sustainably harvested and responsibly sourced material. However, a specific argument will have to be made for the inclusion of biochar as a recycled or sustainably harvested material as it is not a common building material.

CREDIT: INNOVATION

Intent: To encourage projects to achieve exceptional or innovative performance to benefit human and environmental health and equity. To foster LEED expertise throughout building design, construction, and operation and collaboration toward project priorities.

Contribution: Solid Carbon offers a pioneering approach to carbon sequestration in construction materials, addressing a notable gap in existing LEED credits. By incorporating Solid Carbon, projects can demonstrate innovative sustainability practices not covered by traditional credits, thereby pushing the boundaries of environmental stewardship in building design and construction. This unique contribution positions Solid Carbon as a catalyst for advancing LEED-certified projects towards exceptional performance in reducing carbon emissions and promoting environmental health.