Geoplast Building beyond together

LEED® POINTS: UNTIL 27

MODULO

FORMWORK FOR VENTILATED CRAWL SPACES AND FILLINGS

The solution for ventilated crawl spaces MODULO helps to obtain direct and indirect contributions of up to 27 points for LEED certification®.

L&T - LOCATION & TRANSPORTATION	Contributes 2 points
High Priority Site & Equitable Development: • Creates a physical barrier against contaminated soil, moisture, and radon. • Promotes development in brownfield sites by facilitating reconstruction after remediation. • It is useful in redevelopment projects in historic districts because it allows for non-invasive interventions.	2

SS - SUSTAINABLE SITE	Contributes 8 points
Site Assessment: • It addresses soil issues (moisture, radon, contamination) by enabling less invasive solutions.	1
Protect or restore Habitat: • It reduces excavation and backfilling, thereby minimizing the impact on the soil. • It minimizes earthmoving in sensitive areas.	2
Rainwater Management: • It can be part of integrated drainage or soil management systems. • It facilitates the installation of drainage and supply systems beneath pavements.	3
Heat island reduction: • Used beneath courtyards or outdoor surfaces, it creates a ventilated cavity that reduces heat buildup. • It reduces the thermal mass of the filling and can help create draining or 'cool' surfaces.	2

WE - OUTDOOR WATER USE REDUCTION	Contributes 2 points
Outdoor Water Use Reduction: • It can be integrated with drainage systems in outdoor areas.	2

M&R - MATERIALS & RESOURCES	Contributes up to 9 points
Building Life - Cycle Impact Reduction: • It reduces the need for heavy backfill ⟶ It lowers the LCA impacts of the flooring system. • It facilitates the restoration of existing structures. • It allows for non-invasive consolidation and restoration solutions, useful in building reuse.	from 1 to 5
Environmental Product Declaration: • The module is EPD-certified (Environmental Product Declaration). • The module actively helps achieve the required number of products for the credit.	1

Sourcing of Raw Material: • It is made of recycled polypropylene.	1
Construction & Demolition Waste Management: • It drastically reduces the volumes of backfill material ⟶ Fewer trucks, less waste. • It reduces construction site waste.	2

EQ - INDOOR ENVIRONMENTAL QUALITY — Contributes up to 6 points

Minimum Indoor Air Quality performance: • It reduces the entry of radon and soil contaminants, improving the base for compliant ventilation. • It contributes to the healthiness of the installation surface.	Pre-requisite
Enhanced IAQ Strategies: • It acts as a continuous barrier against soil gases (radon) and moisture. • It limits cross-contamination from the ground to indoor environments.	from 1 to 2
Construction IAQ Management Plan: • It does not absorb contaminants (non-porous polypropylene). • It reduces excavation and dust compared to inert backfills.	1
Indoor Air Qualitiy Assessment: • It reduces the presence of radon and soil-origin VOCs (typical of damp subfloors). • It reduces mold and interstitial gases originating from damp soils. • It improves baseline conditions prior to the IAQ test.	from 1 to 2
Thermal Comfort: • A dry floor separated from the ground is more thermo-hygrometrically stable, with a lower risk of “cold floors” and vertical gradients.	1

Geoplast S.p.A.
Via Martiri della Libertà, 6/8 - 35010 Grantorto (PD) - Italy
Tel +39 049 9490289 - Geoplast@Geoplastglobal.com