

weave™



LEED Credits

In accordance with LEED BD+C: New Construction v4

EA – OPTIMIZE ENERGY PERFORMANCE

Weave radiant textile panels present energy savings of 10-40% compared to overhead VAV systems due to reduced fan energy and higher plant efficiency, as a result of higher chilled water temperatures. It is also possible to incorporate Weave as part of a mixed mode ventilation strategy, further improving overall building energy performance.

MR – BUILDING LIFE CYCLE IMPACT REDUCTION

The aluminium support system and radiant textile panels can potentially be reused in new buildings. The reused system reduces the environmental impact of producing new construction products and materials. If an LCA is being undertaken, Lindner PARC can provide the information about the potential reuse of the components and EPDs of many of the components.

MR – BUILDING PRODUCT DISCLOSURE AND OPTIMIZATION: SOURCING OF RAW MATERIALS

Lindner PARC is committed to promoting recycled content within our supply chain.

- Perforated aluminium – Up to 35% recycled material
- Insulation – 61% recycled material of which 27% post-consumer and 34% pre-consumer.
- Copper tubing – 58.7% recycled material.

Weave is manufactured in Winnipeg, Canada.

MR – CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

All Weave panels are coordinated during design and made to order so no on site cutting is required, in turn reducing waste.

EQ – LOW-EMITTING MATERIALS

The insulation used for Weave carries the Greenguard label for low chemical emissions in accordance with UL 2821 to show compliance to emission limits on UL 2818 Section 7.1 and 7.2, and CDPH Standard Method VI.2-2017 using Classroom and Office Environments.

EQ – THERMAL COMFORT

Radiant cooling and heating with Weave efficiently conditions a space while maintaining a high degree of thermal comfort. As a result of the reduced supply air volume requirements associated with hydronic-air systems, air velocities are kept low, minimising draught risk. For superior thermal comfort, radiant panels work to change the operative temperature of a space including both the air temperature and the surface temperatures within the space.

MR – BUILDING PRODUCT DISCLOSURE AND OPTIMISATION – ENVIRONMENT PRODUCT DECLARATIONS (EPD)

The supplier of the Weave frame extrusion is part of Aluminium Extruders Council which hold an industry EPD which conforms to ISO 14025, 14040 and 14044. The EPD is based on data supplied by 11 AEC member companies, across 30 production facilities in the US and Canada.