

# weave™



## Contributions Toward WELL Building Standard™ version 2 (WELL v2™) Features

Weave radiant textile panels contribute toward satisfying both Precondition and Optimization Features outlined in the WELL v2™ Building Standard.

WELL v2™'s guidelines set out design interventions, operational protocols, and policies to promote health and well-being in buildings. For designers looking to provide heating and cooling with a method that promotes occupant well-being, radiant heating and cooling – using solutions like Weave – is recognized as a significant contributor within the WELL v2™ framework under the Thermal Comfort concept. In addition, Weave panels contribute towards satisfying a number of other WELL Preconditions and Optimizations, making it easier for buildings to be WELL-certified to the highest standards.

### AIR

Weave radiant textile panels heat and cool using radiant energy and, unlike forced air heating and cooling systems, do not contribute to the spread of particulate matter in normal use. This contributes towards satisfying **Feature A01, Part 1** and **Feature A05, Part 1**.

Secondly, the insulation used for Weave carries the Greenguard Gold 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. This contributes towards satisfying **Feature A01, Part 2** and **Feature A05, Part 2**.

Thirdly, Weave panels do not produce inorganic gases, which contributes towards satisfying **Feature A01, Part 3** and **Feature A05, Part 3**.

Lastly, Weave panels are designed for easy dismounting. In the event of construction post-enrollment/start of subscription, the contractor may drain the panels and uninstall following the procedures outlined in the Weave Maintenance & Operations Guide to contribute towards satisfying the moisture and dust management procedures prescribed in **Feature A04**.

### THERMAL COMFORT

Weave panels can satisfy most sensible loads in the space through radiant heating or cooling, so air volumes can be reduced to meet latent loads, in turn contributing to reduced air velocities that may contribute towards satisfying **Feature T01, Part 1**, to reduce designed air velocity below 40 fpm at 5.6 ft AFF (option 2).

Radiant cooling and heating to satisfy sensible loads efficiently conditions a space while maintaining a high degree of thermal comfort. Weave performance is tested and rated to DIN EN 14240 and DIN EN 14037. Radiant panels are generally installed with a 50-75% coverage of total ceiling area, so use of Weave panels contributes towards satisfying **Feature T05, Part 1** and **Feature T05, Part 2**.

Lastly, occupancy surveys find that radiant heating and cooling are considered to be more comfortable than forced air alternatives – using Weave radiant textile panels in this manner contributes towards maximizing **Feature T02**.

### SOUND

The textile and acoustic insulation used in Weave panels help absorb sound. Panels have a weighted sound absorption coefficient of 0.80 (class B) rated to ISO 11654. Panels have NRC of 0.80 and SAA of 0.82 per ASTM C423. The acoustic absorption offered by Weave can contribute to optimizing **Feature S02, Feature S04, and Feature S05**.

### MATERIALS

Weave does not contain asbestos, helping contribute towards satisfying **Feature X01**.