

## **OWA Ceilings LEED® Credit**

### **Product Range: Suspended Acoustical Ceilings (tiles and sub-construction)**

**OWAcoustic® premium**  
**OWAcoustic® smart**  
**OWAconsult® collection**  
**OWAconstruct®**  
**OWAtecta®**

#### **OWA's Product range contribute to following LEED® Credits:**

- Energy
- Waste management
- Recycled content
- Local Materials (is location dependent)
- Low-emitting Materials
- Daylight and views
- Acoustic performance

HPD's for painted and scrim laminated OWAcoustic mineral tiles are available on request.

#### **USGBC LEED® Credits:**

- **LEED® MR Credit 2: Construction Waste Management** – divert 50 % or 75 % from disposal.

OWA will provide verification of weight and plant return location for LEED® submittal.  
Please contact your OWA environmental protection officer +49 9373 / 2 01-2 45 for more details.

OWAtecta metal tiles and OWAconstruct components could be fully recycled (100%)

- **LEED® MR Credit 4: Recycled Content**

OWA's product range has high recycled content levels contribute to LEED®.

#### **LEED® recycled content value:**

**OWAcoustic® premium, OWAcoustic® smart, OWAconsult® collection**

up to 54 % total recycled content

up to 42 % LEED® Recycled Content Value

An EPD for OWAcoustic® mineral tiles based on ISO 14025 is available on request.

**OWAconstruct® / OWAtecta®**

30 % total recycled content  
 7 % post-industrial (pre-consumer)  
 23 % post-consumer  
 27 % LEED® Recycled Content Value

Post-consumer:

End-users can no longer use product for intended purpose.

Pre-consumer (post-industrial):

Industrial waste from manufacturing, exclude rework from the same process that created it.

- **LEED® MR Credit 5: Regional Materials**

Option 1: The manufacturing plant may be within 500 miles of your jobsite

Option 2: For products shipped by rail or water the following formula can be used:

(Distance by rail/3) + (Distance by inland waterway/2) + (Distance by sea/15) + (Distance by all other means) ≤ 500 miles

- **LEED® IEQ Credit 4: Low Emitting Materials**

Our product range meet the **State of Washington and California Section 01350 requirements** for low emissions. **Limit values for according to IEQ-Credit 3.2: Construction Indoor Air Quality before occupancy is 500 µg/m<sup>3</sup> (VOC) and 27 ppb formaldehyde.**

Formaldehyde is not added during any production process.

See for further information the Credit IEQ 4.1 to 4.5.

**OWAcoustic® product range has**

**TVOC:**

**class rooms:** < 1,5 µg/m<sup>3</sup> (after 11, 12 and 14 days)

**office buildings:** < 2 µg/m<sup>3</sup> (after 11, 12 and 14 days)

**Formaldehyde:**

**class rooms:** 1,8 µg/m<sup>3</sup> (after 11 days), 1,7 µg/m<sup>3</sup> (after 12 days),  
 1,6 µg/m<sup>3</sup> (after 14 days) = 1,3 ppb

**office buildings:** 2 µg/m<sup>3</sup> (after 11 days), 1,9 µg/m<sup>3</sup> (after 12 days),  
 1,8 µg/m<sup>3</sup> (after 14 days) = 1,5 ppb

Low emitting products can be used as a possible innovation credit.

- **LEED® IEQ Credit 8.1: Daylight and Views - Daylight**

High LR (light reflectance) value from 78 % till 91 % (ISO 7724-2, ISO 7724-3, dependent on pattern) contributes to LEED®