

teknion

Architectural Contribution to LEED® Green Building Council Rating Systems



Altos and Optos architectural walls offer full resuability, encourage daylighting, meet GREENGUARD Indoor Air Quality® certification and eliminate the waste associated with traditional construction practices making them a sustainable solution for any office.

Altos and Optos contribute to the following LEED certifications:

- LEED CI (Commercial Interiors)
- LEED NC (New Construction)
- LEED EB (Existing Building)



Architectural Contribution to LEED® CI 2009

Altos and Optos contribute to the following credits:

ENERGY & ATMOSPHERE

- Credit 1.1 **Optimize Energy Performance – Lighting Power**
Glazed Altos and Optos walls bring natural light to the building interior and supply lighting to multiple spaces reducing energy consumption.
- Credit 1.2 **Optimize Energy Performance – Lighting Controls**
When floor plans have private offices located along the perimeter, glazed Altos and Optos walls enable daylighting controls to cover the 15-foot perimeter from the windows.

MATERIALS & RESOURCES

- Credit 1.2 **Building Reuse 40% or 60% of Interior Non-Structural Components**
If a site is being renovated, existing Altos and Optos walls can be moved, reconfigured and reused contributing to this credit calculation.
- Credit 2 **Construction Waste Management, Divert 50% or 75% from Landfill**
Teknion's packaging is 100% recyclable contributing to this calculation. While not directly useable for calculating this credit, use of Altos and Optos walls eliminates the significant waste generated by standard construction.
- Credit 3.1 **Resource Reuse, 5% or 10%**
Altos and Optos walls from another site are designed to be moved and reused contributing to this credit.
- Credit 4 **Recycled Content, 10% or 20% (Post-Consumer + ½ Pre-Consumer)**
Recycled content varies based on finish, door and elevation specified but ranges from 17.9% (9.2% post-consumer, 8.7% pre-consumer) to 81.6% (13.6% post consumer, 68% pre-consumer) for Altos and is approximately 21% (10% post-consumer, 11% pre-consumer) for Optos.
- Credit 5 **Regional Materials, 20% Manufactured Regionally or 10% Extracted, Processed and Manufactured Regionally**
Altos and Optos walls may contribute to this point depending on project location. Manufacturing sites are located in: Toronto, Ontario; Quebec City, Quebec; and Calgary, Alberta. Extraction sites vary; please contact us for your project.
- Credit 6 **Rapidly Renewable Materials**
Altos walls with fabric (PLA) can contribute to this credit.
- Credit 7 **Certified Wood**
Altos and Optos walls specified with FSC-certified wood contribute to this credit.

INDOOR ENVIRONMENTAL QUALITY

- Credit 3.1 **Construction IAQ Management Plan, During Construction**
Use of Altos and Optos walls eliminates the dust and debris generated by traditional wall construction.
- Credit 3.2 **Construction IAQ Management Plan, Before Occupancy**
Use of Altos and Optos walls eliminates the dust and debris generated by traditional wall construction. Both are also GREENGUARD Indoor Air Quality Certified® which meets the criteria for IAQ pollutants allowable as defined by LEED CI during pre-occupancy testing.
- Credit 4.1 **Low-Emitting Materials, Adhesives and Sealants**
The sealant used between the panes of glass on Optos exceeds the requirements of the credit.
- Credit 4.4 **Low-Emitting Materials, Composite Wood and Laminate Adhesives**
Teknion can provide composite fascias with no added urea-formaldehyde (NAUF) resins.
- Credit 4.5 **Low-Emitting Materials, Systems Furniture and Seating**
Altos and Optos walls are GREENGUARD Indoor Air Quality Certified® and can be considered as systems furniture for this credit based on an approved CIR (Credit Interpretation request) by the CaGBC. The USGBC has not approved the same CIR but works closely and respects decisions made by the CaGBC.
- Credit 8.1 **Daylight and Views – Daylight 75% or 90% of Spaces**
Glazed Altos and Optos walls allow natural light into the building interior contributing to daylight exposure.
- Credit 8.2 **Daylight and Views – Views 90% of Seated Spaces**
Glazed Altos and Optos walls provide a direct line of sight to exterior glazing.

INNOVATIONS & DESIGN PROCESS

- Credits 1.1 **Innovation in Design**
-1.4 Teknion has numerous LEED Accredited Professionals ready to review your furniture selections and suggest Innovation & Design Credits. LEED is constantly evolving to keep current with today's building practices. Please visit www.teknion.com for the latest information on LEED credits and certification.



Architectural Contribution to LEED® NC 2009

Altos and Optos contribute to the following LEED NC credits:

ENERGY & ATMOSPHERE

- Credit 1 **Optimize Energy Performance**
Glazed Altos and Optos walls allow natural light into the building interior to light multiple spaces reducing energy consumption.

MATERIALS & RESOURCES

- Credit 1.2 **Building Reuse, Maintain 50% of Interior Non-Structural Components**
If a site is being renovated, existing Altos and Optos walls can be moved, reconfigured and reused contributing to this credit calculation.
- Credit 2 **Construction Waste Management, Divert 50% or 75% from Landfill**
Teknion's packaging is 100% recyclable contributing to this calculation. While not directly useable for calculating this credit, use of Altos and Optos walls eliminates the significant waste generated by standard construction.
- Credit 3 **Resource Reuse, 5% or 10%**
Altos and Optos walls from another site are designed to be moved and reused contributing to this credit.
- Credit 4 **Recycled Content, 10% or 20% (Post-Consumer + ½ Pre-Consumer)**
Recycled content varies based on finish, door and elevation specified but ranges from 17.9% (9.2% post-consumer, 8.7% pre-consumer) to 81.6% (13.6% post consumer, 68% pre-consumer) for Altos and is approximately 21% (10% post-consumer, 11% pre-consumer) for Optos.
- Credit 5 **Regional Materials, 10% or 20% Extracted, Processed and Manufactured Regionally**
Altos and Optos walls may contribute to this point depending on project location. Manufacturing sites are located in: Toronto, Ontario; Quebec City, Quebec; and Calgary, Alberta. Extraction sites vary; please contact us for your project.
- Credit 6 **Rapidly Renewable Materials**
Altos walls with fabric (PLA) can contribute to this credit.
- Credit 7 **Certified Wood**
Altos and Optos walls specified with FSC-certified wood contribute to this credit.

INDOOR ENVIRONMENTAL QUALITY

- Credit 3.1 **Construction IAQ Management Plan, During Construction**
Use of Altos and Optos walls eliminates the dust and debris generated by traditional wall construction.
- Credit 3.2 **Construction IAQ Management Plan, Before Occupancy**
Use of Altos and Optos walls eliminates the dust and debris generated by traditional wall construction. Both are also GREENGUARD Indoor Air Quality Certified® which meets the criteria of IAQ pollutants allowable as defined by LEED CI during pre-occupancy testing.
- Credit 4.1 **Low-Emitting Materials, Adhesives and Sealants**
The sealant used between the panes of glass on Optos is well within the requirements of the credit.
- Credit 4.4 **Low-Emitting Materials, Composite Wood and Laminate Adhesives**
Teknion offers composite fascias with no added urea-formaldehyde (NAUF) resins. An alternative to this credit is to use LEED CI EQ Credit 4.5 through an Innovation in Design Credit. (See LEED CI EQ Credit 4.5 for more details).
- Credit 8.1 **Daylight and Views – Daylight 75% of Spaces**
Glazed Altos and Optos walls allow natural light into the building interior contributing to daylight exposure.
- Credit 8.2 **Daylight and Views – Views 90% of Seated Spaces**
Glazed Altos and Optos walls provide a direct line of sight to exterior glazing.

INNOVATIONS & DESIGN PROCESS

- Credits 1.1 **Innovation in Design**
-1.4 Teknion has numerous LEED Accredited Professionals ready to review your furniture selections and suggest Innovation & Design Credits. LEED is constantly evolving to keep current with today's building practices. Please visit www.teknion.com for the latest information on LEED credits and certification.



Architectural Contribution to LEED® EB 2009

Altos and Optos contribute to the following LEED EB credits:

ENERGY & ATMOSPHERE

- Credit 1.1 **Optimize Energy Performance – Lighting Power**
Glazed Altos and Optos walls allow natural light into the building interior, lighting multiple spaces and reducing energy consumption.

MATERIALS & RESOURCES

- Credit 3 **Sustainable Purchasing – Facility Alterations and Additions**
Altos and Optos walls can contribute to one or more of the following credit requirements; recycled content, FSC-Certified wood, regional manufacturing, regional extraction and NAUF (no added urea-formaldehyde) composite panels.
- Credit 9 **Solid Waste Management – Facility Alterations and Additions**
Teknion’s packaging is 100% recyclable. The use of Altos and Optos walls eliminates the significant waste generated by standard construction.

INDOOR ENVIRONMENTAL QUALITY

- Credit 1.5 **IAQ Best Management Practices – Facility Alterations and Additions**
Use of Altos and Optos walls eliminates the dust and debris generated by traditional wall construction. Both are also GREENGUARD certified.
- Credit 2.4 **Daylight and Views - Daylight 50% of Spaces or Views 45%**
Glazed Altos and Optos walls allow natural light into the building interior and provide a direct line of sight to exterior glazing contributing to daylight and views calculations.

INNOVATIONS & DESIGN PROCESS

- Credits 1.1 Innovation in Design
-1.4 Teknion has numerous LEED Accredited Professionals ready to review your furniture selections and suggest Innovation & Design Credits. LEED is constantly evolving to keep current with today’s building practices. Please visit www.teknion.com for the latest information on LEED credits and certification.