

# Toronto Zoo



## Project

Toronto Zoo

## Location

Toronto ON, Canada

## Architects

Diller, Scofidio + Renfro

## Products Used

Solera® S-R5+Aerogel

**R values:** 5

**VLT:** 46%

**SHDC:** 0.46

**STC:** 40

**U value:** (BTU/hr ft<sup>2</sup> °F)  
0.2

**U value:** (SI) (W/m<sup>2</sup> K)  
1.14

The healing benefits of daylighting are proven on humans who recover faster with fewer complications given well daylit environments in healthcare facilities ...so why wouldn't they provide the same benefits to animals? This question was influential when Diamond Schmitt Architects of Toronto, Canada in partnership with DesignLevel Inc. started designing the Toronto Zoo's \$19.1 million state-of-the-art Wildlife Health Centre.

With more than 5,000 procedures completed each year on more than 450 animals of all species, shapes and sizes, it was paramount that the facility be designed to provide the optimal

work and recovery space for wildlife healthcare workers and their patients.

The end result is an impressive 50,000 square foot facility that is the first of its kind in Canada.

*"We were honoured to have our SOLERA® product used in this remarkable facility. When we started Advanced Glazings Ltd two decades ago, we had a clear vision to offer an energy efficient source of daylight to customers around the globe. The benefits of daylight include enhanced mood,*



*“The benefits of daylight include enhanced mood, better focus, and increased energy. These same principles apply to this project and are proving to offer an optimal healing atmosphere for the zoo’s patients.”*



*better focus, and increased energy. These same principles apply to this project and are proving to offer an optimal healing atmosphere for the zoo’s patients,”* shares AGL Founder, Doug Milburn.



The zoo’s patients, which range from small reptiles to large bears, will benefit from having plenty of daylight thanks to Advanced Glazings Ltd.’s (SOLERA® T-R5) windows.

Some of the Wildlife Health Centre’s unique features include:

- Bringing full spectrum natural light deeply into the circulation and treatment areas.
- A viewing gallery. Visitors can watch veterinarians and healthcare workers care for their patients.
- Sustainable construction techniques.
- Green roof.
- Bird friendly gazing.
- Insulated foundation walls.
- Heat recovery systems.



Creators of  
**Solera**  
INSULATED GLASS DAYLIGHTING LINTS

**SoleraWall**  
INSULATED GLASS DAYLIGHTING SYSTEM

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