

Durisol®

DURISOL.COM

CUSTOM NOISE BARRIER PROJECTS & ACCESSORIES

VISUALLY APPEALING

REDUCES NOISE

UNIQUE DESIGNS

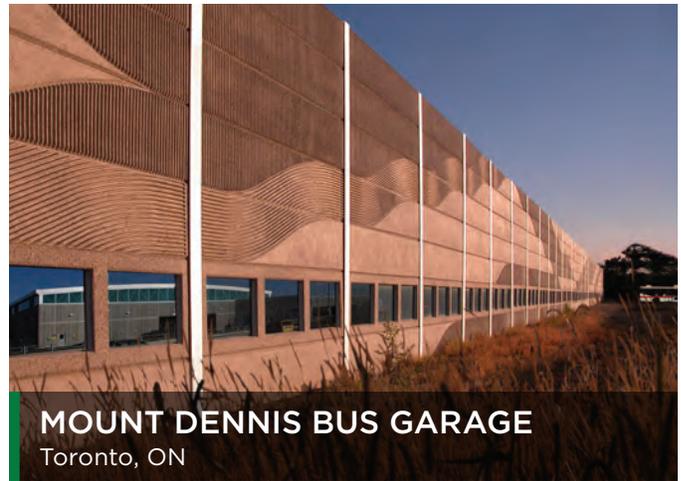
INTEGRATION OF
PRODUCT LINES

With over 40 years of expertise in the noise barrier industry, Durisol has had plenty of experience accommodating the custom needs of clients. The noise wall market is evolving with the growing importance of wall aesthetics, creating a higher demand for custom noise barrier projects than ever before. Durisol's in-house engineering and manufacturing facility allows for the creation of unique designs and custom moulds in order to achieve the desired vision outlined by the customer. From concept stage to construction, Durisol works one-on-one with clients to ensure they attain their project vision within their projected budget.

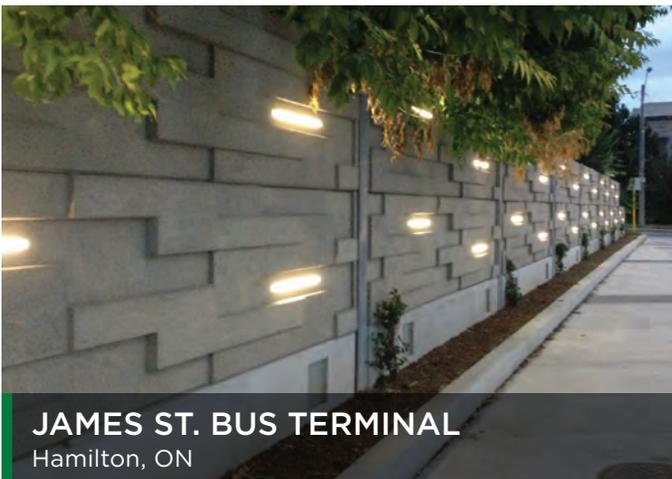
Durisol's various systems allow for flexibility during the design process with the option of integrating multiple product lines. Additionally, there are many unique options to consider when designing a custom noise barrier project: integrated lighting, trellis systems for vegetation, icon panels to display images, custom panel patterns, etched designs, and more!



Custom Durisol panel pattern and colour integrated with ACRYLITE® Soundstop transparent sheets.



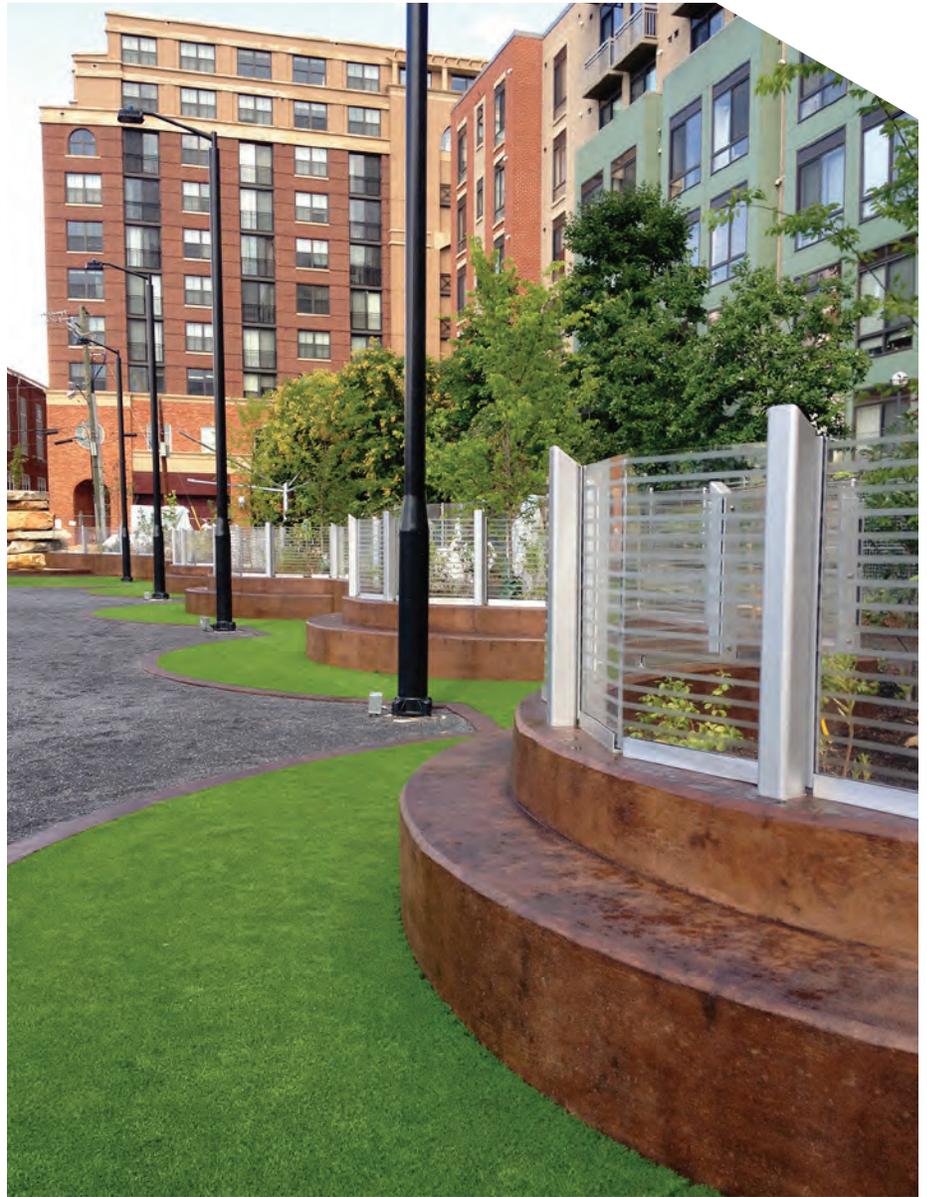
Custom Durisol panel pattern integrated with tempered glass panels.



Durisol panels with integrated LED lighting.



Custom patterned retaining wall panels designed to cover posts.



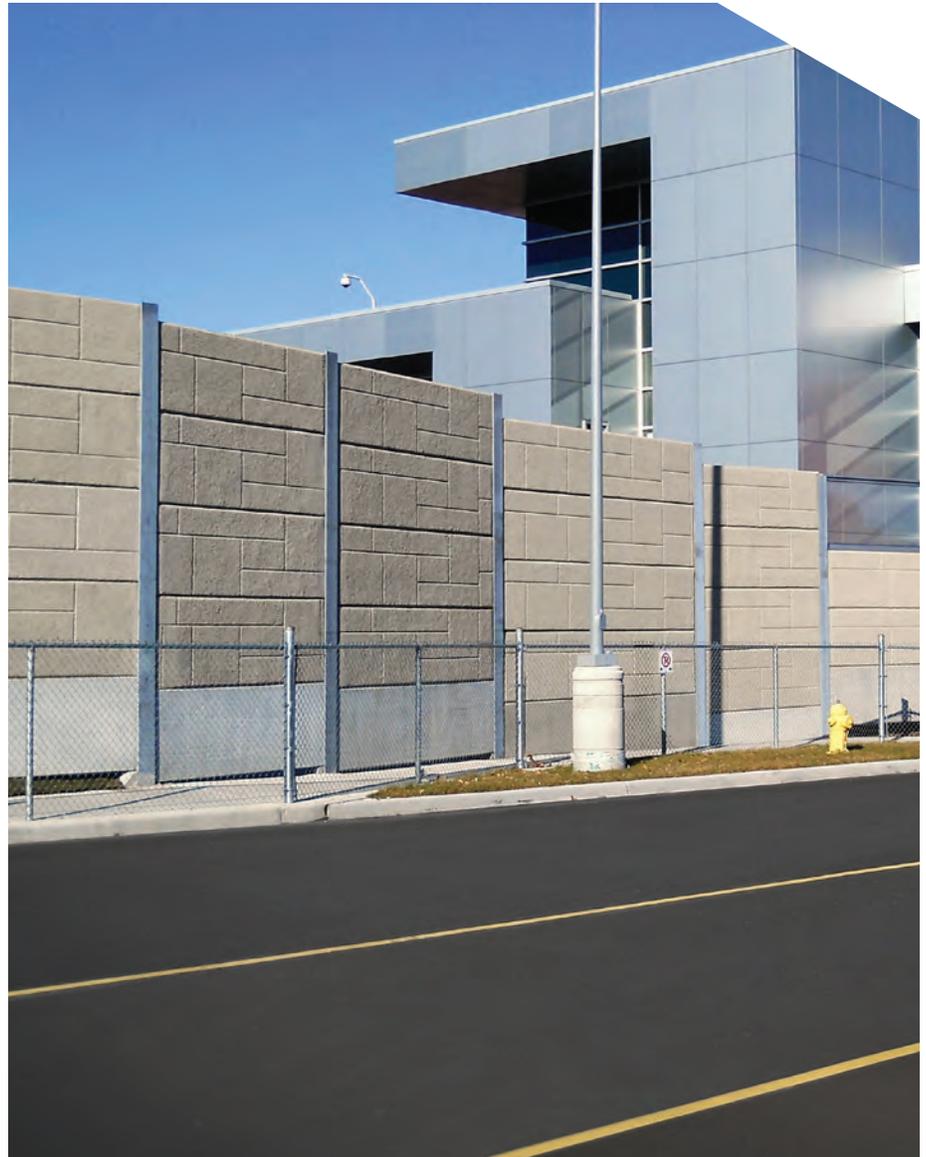
ARLINGTON, VA

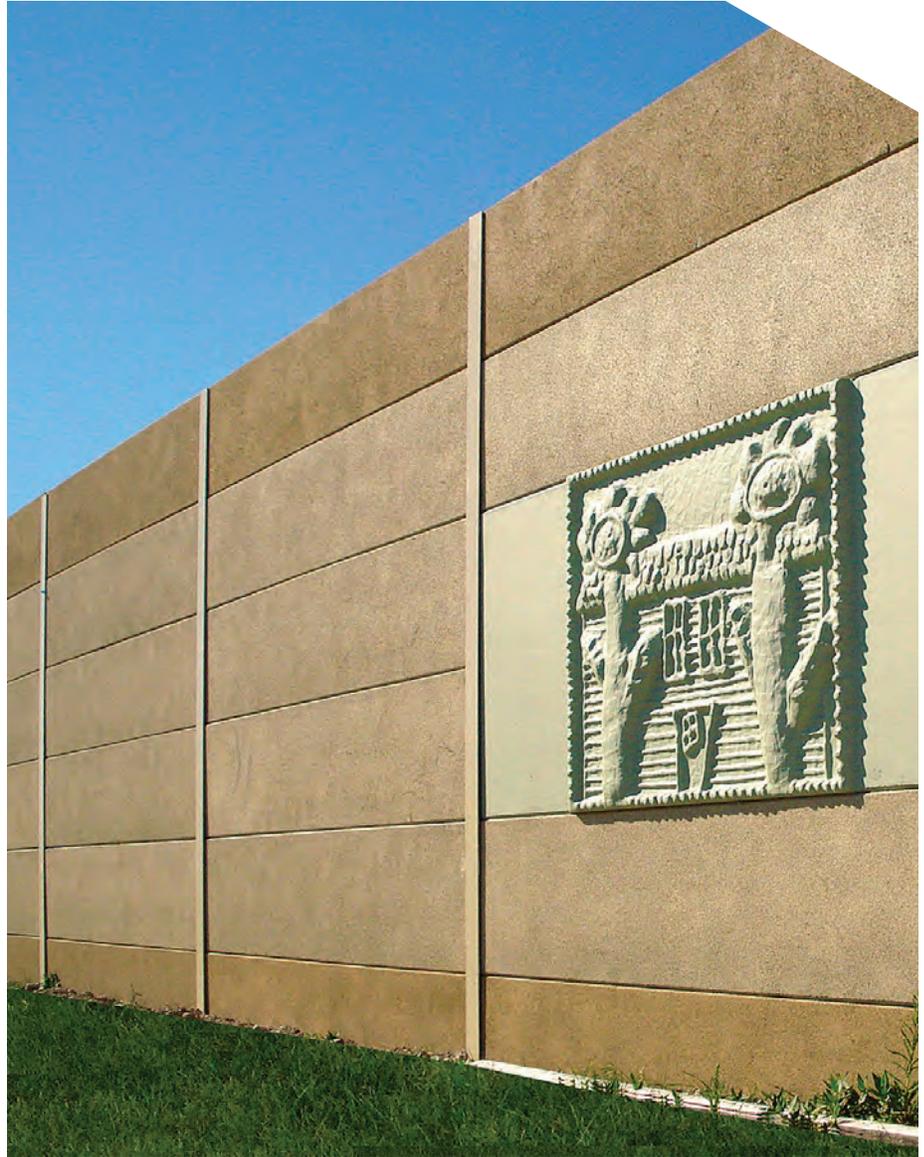
Durisol provided complete design and engineering for the James Hunter Dog Park in Arlington, Virginia. This neighbourhood is home to more than 8,000 people, with nearly 15,000 more working in this bustling area. The park offers those who live and work in the metro corridor a much needed space to mingle, exercise, play or relax. This project features custom clear ACRYLITE® Soundstop sheets with etched “bird striping”, bent to fit as required in each curved section. The noise barrier is an aesthetically pleasing solution for noise abatement for the surrounding public.



OTTAWA, ON

The City of Ottawa's OC Transpo project marked the first opportunity for Durisol to collaborate with EOS Lightmedia to engineer and design a noise barrier with integrated LED lighting. The sound wall surrounds the perimeter of the facility, mitigating noise created by the significant number of buses operating at the facility. The lighting creates a moving display of coloured lights across the panels, representing various bus routes. Alternating colours of light indicate the bus routes, while the intensity of the light pulses reference the frequency of buses and activity throughout the rush hours and lulls in the day.





MILWAUKEE, WI

The Wisconsin Department of Transportation provided Durisol with a unique opportunity to design and supply a noise barrier project featuring custom icon panels that showcase local children's artwork. An additional wall features a cityscape mural embedded into the Durisol surface. Icon patterns consisting of horizontal and vertical lines spanning across multiple bays ties into a replicated design on concrete abutments along the freeway. Each wall features multiple colours and patterns for an aesthetically pleasing finish.



GRASSLANDS PATTERN WITH
ACRYLITE® TRANSPARENT SHEETS



FULL HEIGHT GRASSLANDS PATTERN



FULL HEIGHT ACRYLITE® SOUNDSTOP
TRANSPARENT SHEETS



GRASSLANDS PATTERN SECTION
CONNECTED TO ACRYLITE® SECTION

TORONTO, ON

Durisol is proud to have been chosen to design and supply a series of custom wall patterns for Metrolinx's Union Pearson Express (UP Express) rail line. The Union Pearson Express was commissioned to easily transport visitors between Toronto Pearson International Airport and Toronto's Union Station for the 2015 Pan Am and Parapan Am Games. The 23.3 kilometre rail line was initially projected to carry 2.35 million passengers annually, but this number is expected to grow to over 5 million. With trains passing through residential and commercial properties every 15 minutes, Metrolinx was be forced to attenuate the additional noise generated from this busy corridor. Evidently, noise barriers played a crucial role in this project.



Durisol was approached by the client to engineer multiple custom wall designs in what would turn out to be the largest noise abatement project ever in North America. Over 10,000 linear metres of custom precast Durisol panels and transparent ACRYLITE® Soundstop sheets were installed along the UP Express rail corridor.

In order to bring the client's vision from concept to reality, Durisol designed new noise barrier patterns and created new wall moulds. An attractive “grasslands” pattern (viewed from the residential side) features green and orange grass blades embedded into the surface of the wall. A unique feature to this wall segment is the addition of trellis wires anchored to the wall, which allows vegetation to climb up the wires. Additionally, the integration of transparent ACRYLITE® panels mounted on top of the wall creates the appearance of a reduced wall height and allows sunlight into residential properties.

The “ribbon” pattern (viewed from the rail side) provided Durisol with the exciting and challenging opportunity to design custom trapezoidal panels providing sufficient bearing to support the ACRYLITE® transparent system above. The continuous “ribbon” pattern features green and orange Vertical Ribs imitating a moving ribbon along the corridor.

DID YOU KNOW?

This project not only is the **first of its kind in Canada**, but also marks a step in the right direction for architectural noise walls in North America.

The “filmstrip” pattern is another unique vision made real by Durisol. Custom Horizontal Rib patterned panels encase rectangular tinted sheets of ACRYLITE® Soundstop with detailed vertical lines throughout. This design was created to emulate the appearance of film strips.

A large section of the corridor consists of 5-6 metre high transparent panels set on custom ribbed panels. Multiple sheets of various colours and bird striping complete the look for this wall section.

An interesting aspect of this project is the use of plain concrete panels along a section of the corridor that allowed local artists to paint murals and bring the artistic culture of Toronto to the wall. Through collaboration and innovation, Durisol succeeded in providing exceptional noise abatement and delivering the custom vision of the client.



RIBBON PATTERN



ACRYLITE® SOUNDSTOP TRANSPARENT SHEETS ON CUSTOM RIBBED PANELS



FILMSTRIP PATTERN



PLAIN CONCRETE PANELS WITH ARTIST MURALS

NEW INNOVATIONS!

GRAPHIC CONCRETE

Turn your design vision into concrete reality.

Any pattern. Any design.

One simple technology.

Turn walls into wows!

- Custom graphics suited to your requirements
- Durable as concrete itself
- Surface pattern stands the test of time unless exposed to mechanical stress
- Colour of stone is fully maintained/preserved
- Environmentally friendly- is free of hazardous substances
- Practically maintenance-free
- Anti-graffiti coating can be applied
- Ideal for projects in which concrete surface will be exposed to extreme conditions (e.g. for tall buildings and infrastructure projects)



BRITISH COLUMBIA PROFESSIONAL FIRE FIGHTERS' BURN FUND

DID YOU KNOW?

Clients can choose from a collection of ready-made patterns or create their own pattern – any design that can be printed on paper can be imprinted onto concrete. **The options are endless!**

Get our team working on your next custom solution today! We have design specialists throughout the US and Canada that can help you realize your vision.

Contact Durisol.

altusgroup®
member

Durisol®

Durisol® is the market leader in the noise barrier wall industry. We manufacture and supply a series of unique panel and post wall systems – including our Durisol® precast sound absorption panels and transparent ACRYLITE® Soundstop sheets, as well as narrow footprint retaining walls and fire-rated barriers. Our first noise barriers were installed in Canada in 1977 and in the US in 1986 and are all still in service today. With over 40+ million square feet of wall installed to date, Durisol® noise barriers stop the noise of industrial warehouses, utility enclosure sites and urban infrastructure of all kinds right across North America.

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