

Gordie Howe International Bridge Project



PROJECT OVERVIEW

Project Name:	Gordie Howe International Bridge Project
Project Type:	Infrastructure
Location:	Windsor, Ontario - Detroit, Michigan
Size (cubic meters)	13,000 m3
Application:	Void Fill
Installer/Contractor:	J & J Lepera Infrastructures Inc.
Product(s) Used:	Geofoam (EPS39 Blocks)



Q+A:

Q. What are the benefits of using Alleguard's Geofoam EPS Blocks for this project?

A. Geofoam is an aesthetically pleasing option for soil fill. For an application like a Bridge and Port of Entry sites, the strength of the product was a major factor where there are unstable grounds.

Q. Why did you choose Geofoam?

A. "This innovative product is used to avoid ground settlements under foundation for buildings and excessive loads over buried structures such as city sewers. Instead of building on top of the normal soil and ground, crews replace a large volume of the soil with EPS material, then continue to build on top. As a result, there is no physical load added to the ground and no settlement occurs."¹

Alleguard Advantage

- Lightweight, durable, and easy to handle
- Environmentally Friendly
- Cost effective
- High compressive strength
- Superior thermal insulation value

www.alleguard.com

PROTECTIVE FOAM SOLUTIONS

¹ <https://www.gordiehoweinternationalbridge.com/en/Lightweight-and-strong-the-role-of-EPS-blocks-on-the-Gordie-Howe-International-Bridge-project>

About the Project

- The longest main span of any cable-stayed bridge in North America
- Once complete, the Gordie Howe International Bridge will be among the top five longest bridges in North America.
- Approximately 34,500 EPS blocks will be used across the project.¹

¹ <https://www.gordiehoweinternationalbridge.com/en/project-overview>



PONT INTERNATIONAL
**GORDIE
HOWE**
INTERNATIONAL BRIDGE

About Expanded Polystyrene (EPS)

- EPS is a recyclable building material. Excess and scrap material is returned to the manufacturer for recycling/reuse – eliminating waste disposal to landfill.
- Contains no HCFCs or formaldehyde (ozone depleting substances)
- The long life span of EPS is an environmental benefit as well. Material does not need to be replaced, which reduces the long-term carbon footprint.
- EPS is an extremely good insulator. When EPS is used as an insulator, EPS can return up to 200x the amount of energy used to produce it.
- EPS is very lightweight. This leads to less emissions during transport.
- Weather resistant – Resists freeze-thaw cycles, moisture and road salt.

