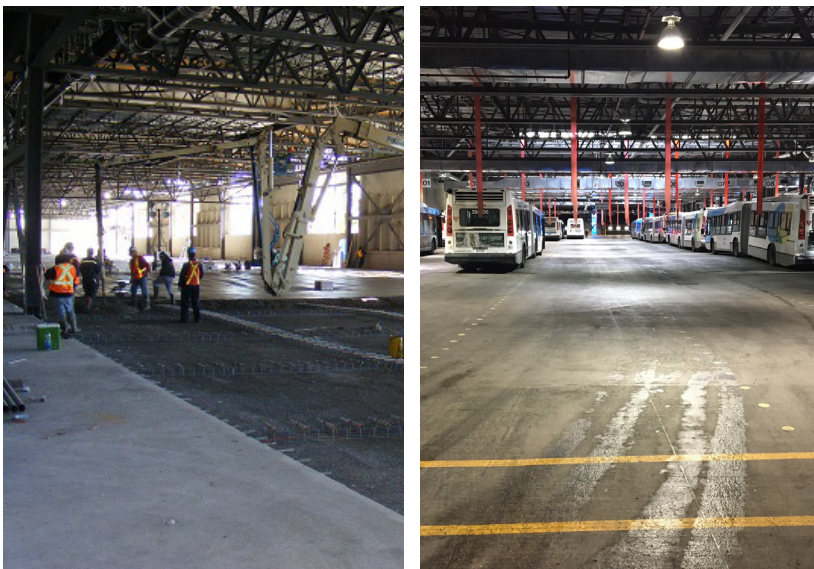




EUCLID CHEMICAL

## PROJECT PROFILE

# STINSON GARAGE OF THE SOCIÉTÉ DE TRANSPORT DE MONTRÉAL



## PROJECT DATA

**Location** – 635, Stinson Street, Montréal, Québec  
**Application** – Three-dimensional macro-synthetic fiber reinforcement to support the loads imposed by buses and to control slab cracking.  
**Engineering Firm** – Pasquin St-Jean et Associés  
**Contractor** – Pomerleau Inc.  
**Concrete Producer** – Lafarge Canada Inc.  
**Applicator** – Sorel-Tracy Ciment Inc.

## PRODUCTS FEATURED

**TUF-STRAND™ SF**  
Macro-synthetic fibers

## SCOPE OF PROJECT

- Construction of two-story maintenance facility to accommodate 300 buses for the City of Montréal.
- Slabs on grade with a thickness of 150, 200, and 300 mm (6, 8, 12 in), and slabs on deck with a thickness of 200 mm (8 in) over a 75 (3 in) mm deck.
- Dosage rates from 2.0 to 2.3 kg/m<sup>3</sup> (3.4 to 3.9 lb/yd<sup>3</sup>) of TUF-STRAND SF fiber-reinforced concrete.
- 8,730 m<sup>3</sup> (11,400 yd<sup>3</sup>) of concrete totaling an area of 41,800 m<sup>2</sup> (450,000 ft<sup>2</sup>).

## PROJECT SUMMARY

The new Stinson garage of the Société de transport de Montréal is an impressive project, covering an area equivalent to 6 football fields with space to store 300 buses, including 100 articulated buses. This project represented a \$165.2M investment for the city of Montreal.

TUF-STRAND SF macro-synthetic fiber was selected for this project in light of the savings that could be achieved compared to wire mesh or steel fibers including supply and installation. Rapid execution, ease of placement and finishing, as well as lower injury risks, were also key factors in the decision to use TUF-STRAND SF macro-synthetic fiber.

Euclid Chemical's technical team assisted in the development of a custom mix with TUF-STRAND SF macro-synthetic fibers to meet the needs of the project specification and provided technical assistance during the placement and finishing of the project.