

# HOWLAND GREEN BUSINESS CENTRE

## JOB DETAILS:

### MARKET:

Architectural/Commercial

### PRODUCT:

- StonDeck XD2
- StonDeck FD2
- StonDeck FD Membrane Crack Treatment

### DATE:

July 2020

### AREA:

Parking Garage

### SQUARE FOOTAGE:

28,000 Square Feet

### LOCATION:

Markham, Ontario



**BEFORE**



**AFTER**



**CRACK TREATMENT**



**CRACK TREATMENT**

The developers of Howland Green, a newly constructed business centre, were looking for a durable and decorative waterproofing solution for the suspended slabs in the building's parking garage to meet code requirements and match the aesthetic of this premium development.

Stonhard recommended StonDeck XD2 and FD2, which are designed to stop water and chlorides (from de-icing salts) penetrating through the structure to the level, and therefore cars below. They also provide superior durability combined with a clean and attractive finish.

The suspended slabs of the parking deck were constructed using a combination of precast hollow core planks dropped onto a steel structure, which was topped with a concrete screed to fill in the interface between adjoining planks and to provide slopes to drains. The screed was sawcut along the column lines and at regular intervals to provide expansion and shrinkage control. Based on Stonhard's

extensive experience, we anticipated movement at these locations, therefore a reinforced crack treatment detail was incorporated into our installation plan.

To maintain the premium aesthetic throughout the parking levels and adjoining areas, StonDeck waterproofing systems were also applied in the garbage room.

StonDeck XD2 is a heavy duty, wear-resistant, semi-flexible parking deck coating system. It is designed to provide a waterproof wearing surface for high traffic areas for covered decks and underground parking garages. StonDeck FD2 is a crack-bridging deck waterproofing system designed for parking stalls and lower traffic areas.

StonDeck XD2 and FD2 are solvent-free systems designed to cosmetically enhance parking facilities, while reducing tire noise and provide a lighter and safer environment for vehicles and pedestrians.