

CAROLINE STREET CONDOMINIUMS

JOB DETAILS:

MARKET:

Property Management

PRODUCT:

StonDeck XD2

StonDeck FD2

Silicate Sealers

DATE:

October 2019

AREA:

Parking Garage

SQUARE FOOTAGE:

223,000 Square Feet

LOCATION:

Waterloo, Ontario



The Caroline Street Private Residences is a 22 storey premier condominium development recently built by VanMar Construction, located in the heart of Waterloo's Bauer District. To ensure all areas of the building meet with the contemporary feel of the project, Stonhard was tasked with installing the waterproofing systems for parking levels, exterior terraces and balconies.

To ensure plenty of on-site parking, approximately 223,000ft² of the structure is dedicated to this function, including 113,000ft² of above grade area with a further 110,000ft² at grade level.

Stonhard completed a full turnkey installation, which included surface preparation for both slabs and upturns, crack treatment (as required) and some minor concrete repairs. The suspended slabs were waterproofed using a combination of StonDeck FD2 for the parking stalls and Heavy Duty, StonDeck XD2 for the ramps, drive lanes and turning areas. 4" high upturns were provided to ensure the continuation of the waterproofing system (and to meet code) at the interfaces between the parking deck and perimeter walls, columns, curbs and landings.

Stonhard also installed Foam Compression Joints from Erie Metal Specialties at the intersection between the existing building and this new structure, where new openings were required to provide access between the adjacent properties and sealer to the slab on grade levels.

To complete the waterproofing of the exterior areas, balconies and terraces were protected with Stonhard's UV resistant Poly Aspartic coating, Stoneal PA7, totaling approximately 8,000ft² adding to the upscale feel of these spaces.

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 of covered decks and underground parking garages. StonDeck FD2 is a crack-bridging deck waterproofing system designed for parking stalls and low traffic areas.

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