

MIDTOWN PLAZA PARKING GARAGE GEMCRETE HDO CONCRETE OVERLAY

STRUCTURE: Underground Parking Garage

LOCATION: Midtown Plaza, Saskatoon, SK

PROJECT DATE: Phased Project – 2001, 2002, 2003

JOB DURATION: 4 weeks per phase

CLIENT: The Cadillac Fairview Corporation

CLIENT CONTACT: Brian DaSilva – The Cadillac Fairview Corporation
Jim Gerrard – Courtland Engineering

CONTRACTOR: Vector Construction Ltd.
Saskatchewan Branch



PROJECT DESCRIPTION:

Problem: Surface deterioration of the existing concrete surface creating safety concerns for pedestrian traffic and making the area very difficult to clean properly.

Area

2001 – Phase 1 – 80,560 ft²
2002 – Phase 2 – 90,350 ft²
2003 – Phase 3 – 17,185 ft²

Repair Technique:

- i) Proper surface preparation by scarifying the existing concrete substrate by milling 1/2" off leaving a surface with 1/4" amplitude.
- ii) High pressure water wash the scarified concrete substrate using a minimum 5,000 psi power wash.
- iii) Install welded wire mesh on all control joints and any cracks in the substrate.
- iv) Install Gemcrete Slurry as per manufacturer's recommended procedure.
- v) Install Gemcrete HDO at an average thickness of 1/2" as per manufacturer's recommended procedure.
- vi) Cure as per manufacturer's recommended procedures.
- vii) An extended life warranty is available from the product manufacturer.



CORPORATE OFFICE

474 Dovercourt Drive
Winnipeg, Manitoba, R3Y 1G4
Ph. (204) 489-6300
Fax (204) 489-6033
Email: vector@vectorgroup.com

REGIONAL OFFICES

Manitoba Winnipeg (204) 489-6300
Ontario (North) Thunder Bay (807) 346-4405
Ontario (South) Stoney Creek (905) 662-4020
Saskatchewan Saskatoon (306) 934-3533
Alberta Spruce Grove (780) 962-6778

North Dakota Fargo (701) 280-9697
Nebraska Sioux City (402) 494-9305
Iowa Cedar Rapids (319) 364-5355

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