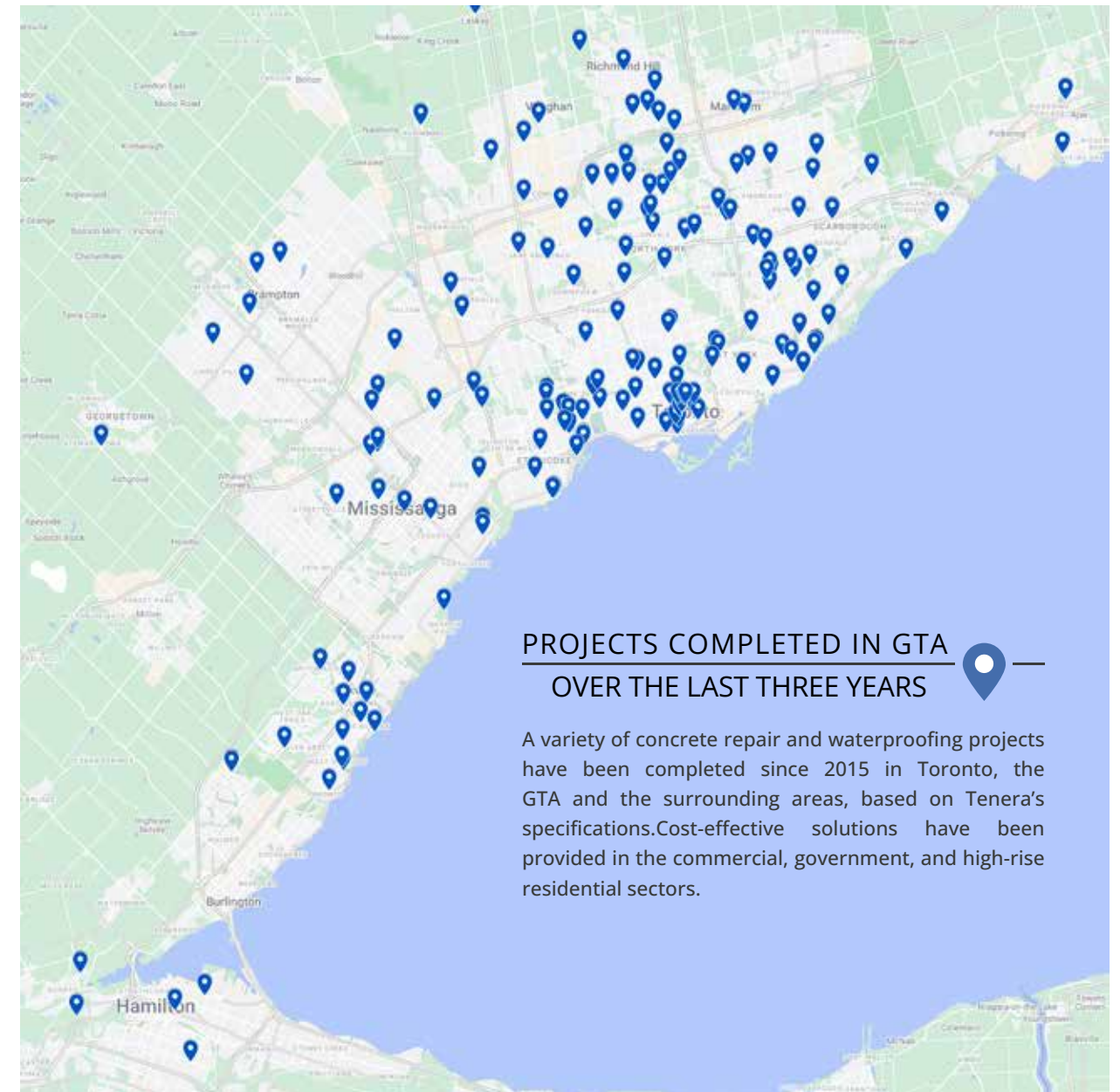




JOINT SEAL
Waterproofing

Our Clients



PROJECTS COMPLETED IN GTA OVER THE LAST THREE YEARS

A variety of concrete repair and waterproofing projects have been completed since 2015 in Toronto, the GTA and the surrounding areas, based on Tenera's specifications. Cost-effective solutions have been provided in the commercial, government, and high-rise residential sectors.

Over 300 Condos Serviced in Toronto & GTA



- ✔ Trusted by engineers & property managers alike
- ✔ Specialising in reduced cost maintenance repairs
- ✔ Almost no demolition & area closure requirement

OUR SERVICES

- Parking Garages
- Traffic Topping Repair
- Elevator Pits
- Balconies
- Stairs / Landings / Porches
- Flat Roofs
- Utility Rooms
- Medical Facilities
- Manholes & Sidewalks

REPAIR TYPES

POLYUREA MEMBRANES

RATED TO PERFORM FOR DECADES

Polyurea is a highly resilient super-polymer two-component material designed to aid in the protection of building infrastructure. Its unprecedented qualities allow to adjust application thickness and install membranes at temperatures below freezing.

Polyurea is an environmentally friendly membrane that can be applied to a variety of surface types, seamlessly covering all joints, ensuring lasting protection.

LOW APPLICATION TEMPERATURE

Applied at temperatures as low as -5°C

VERSATILE APPLICATION METHODS

Cold- or hot-applied, rolled or sprayed on

EXCEPTIONAL PROPERTIES

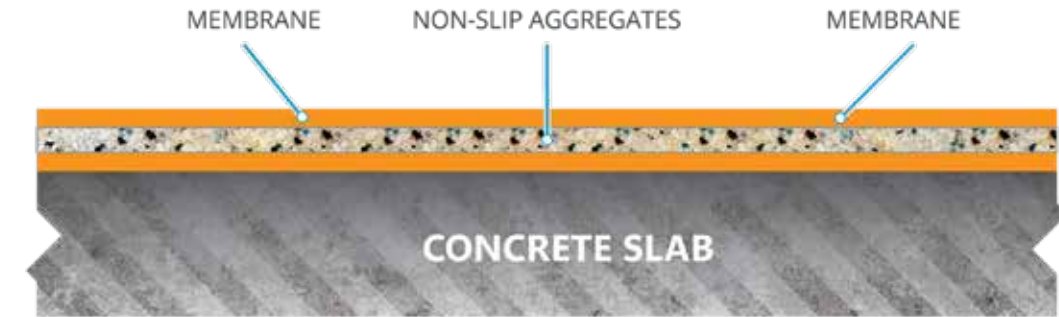
Unparalleled chemical & mechanical resistance

GREEN TECHNOLOGY

Fully recyclable solvent-free, no-VOCs, 100% solids formulas

LASTING RESULTS

COMPLETE WATERPROOFING & RESTORATION



CHEMICAL RESISTANCE

- ✓ Weather elements
- ✓ Debris
- ✓ Light acids
- ✓ Corrosive chemical fallout
- ✓ Other pollution

MECHANICAL PROPERTIES

- ✓ Elastic
- ✓ High tensile strength
- ✓ Excellent adhesion
- ✓ Abrasion resistance
- ✓ Crack-bridging ability



REPAIR TYPES

CONCRETE PATCHING

THIN PATCH APPLICATIONS

Concrete starts delaminating due to aging and weather conditions. Severe delamination can pose a hazard to resident safety, as is the case with damaged balcony floors. Patching of concrete surfaces must be done in a timely manner to prevent more complex and costly repairs in the future.

The use of specialised materials that provide monolithic 1.8 MPa adhesion allows for patches as thin 5 mm to be installed, which makes slope correction possible. The patches will not delaminate thanks to an instant and durable adhesive bond. Extensive patching can be done, avoiding slab recasting in most cases.

CEILINGS, WALLS, FLOORS

Patches as thin as 5 mm can be done thanks to specialised materials.

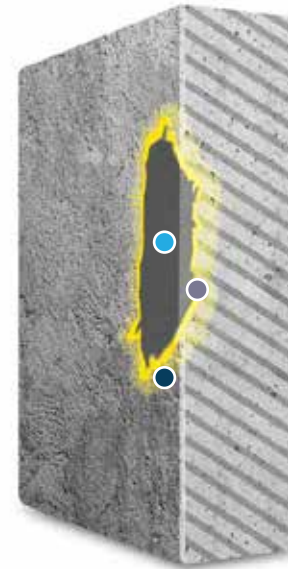
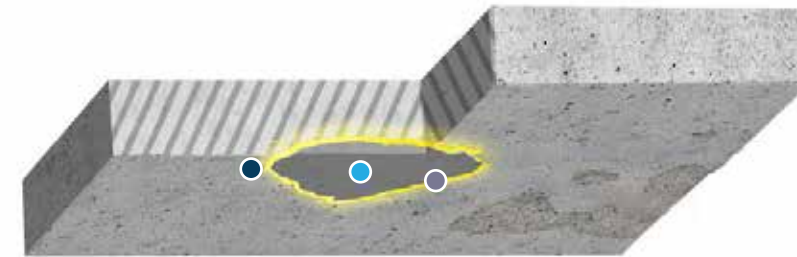
MONOLITHIC ADHESION

Polyforce's 1.8 MPa adhesion fully restores concrete's load-carrying capacity.

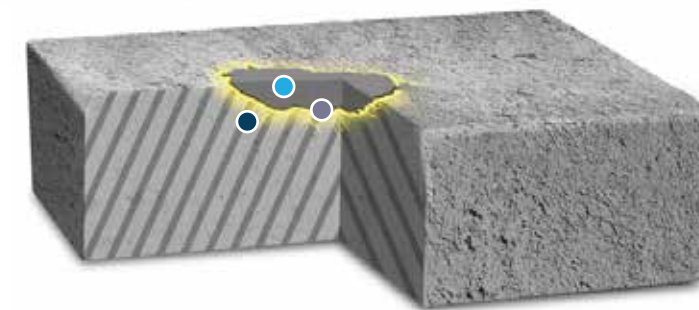
PERMANENT WATERPROOFING

Materials specified have been rated to MTO standards to last 25 years.

THIN PATCH APPLICATIONS



- **THIN PATCH APPLICATION**
- **ADHESIVE**
- **ADHESION ANCHORING**



THIN PATCHING

Specialised industrial-strength adhesives and polymer cement allow for thin patches to be applied.

COST SAVINGS

Since only minimal demolition is required, repairs take less time and require less extensive closures.

REPAIR TYPES

CRACK REPAIR

CONCRETE RESTORATION

As concrete ages, especially when it is exposed to weather elements, it tends to crack. The longer the concrete surface remains in disrepair, the deeper and more extensive the cracks become, eventually leading to concrete slab demolition and replacement. Timely concrete slab crack repair, in most cases, can prevent recasting.

Concrete wall and ceiling crack repair can be done without forming thanks to the instant bonding provided by the specialised adhesives. They hold the crack filler material in place, ensuring lasting results. Both single defined and multiple cracks can be repaired.

MONOLITHIC ADHESION

Materials specified provide 1.8 MPa adhesion, fusing new and old concrete.

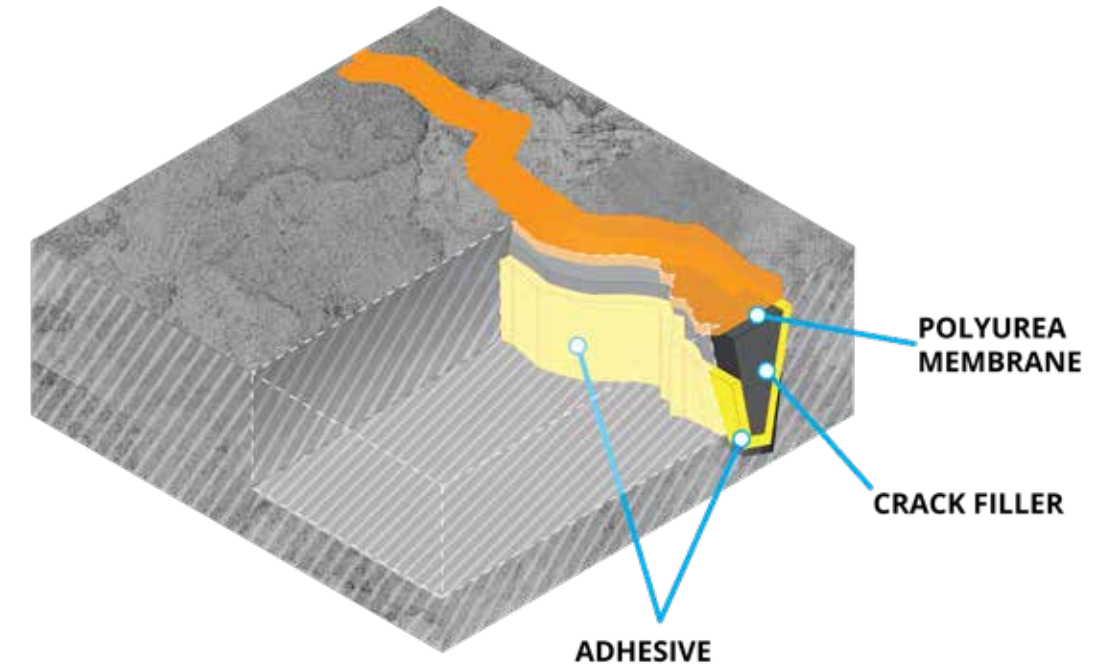
PERMANENT WATERPROOFING

Extensive crack repair allows for surface restoration without extensive demolition.

RESTORED LOADING CAPACITY

Monolithic adhesion fully restores concrete's load-carrying capacity.

CONCRETE CRACK REPAIR



LASTING RESULTS & COMPLETE RESTORATION

A concrete slab is supposed to withstand a 1.2 MPa tensile strength.

Crack filling done with specialised materials and high-strength adhesives results in a 1.8 MPa of tensile adhesion, restoring the slab to its original specification.

Application design allows for single defined and multiple cracks to be repaired with minimal demolition. Restoring structural integrity of the slab is designed to avoid slab recasting.

REPAIR TYPES

EXPANSION JOINTS & LEDGE BEAMS

EFFICIENT WATERPROOFING

Podium roofs in parking garages can leak through expansion joints when there are cracks in the concrete surface, and the existing membrane fails. Ledge beams can start leaking because the expansion joints located above them are in disrepair. If waterproofing is not done, concrete degradation is accelerated, and multiple levels of parking garages can be affected.

Application methods and materials specified allow to inject polyurea-based materials directly into the expansion joints (even those above ledge beams), from inside the garage, ensuring efficient podium roof waterproofing. This brings great savings: no excavations and removal of the existing membrane, and no extensive area closures.

NO EXCAVATION

Surface excavation and existing membrane removal are not required.

NEGATIVE-SIDE WATERPROOFING

Injection ports enable waterproofing from inside the parking garage.

PRECISE INJECTION

Guided rails allow for correct injection port installation.

CRACK REPAIR & PATCHING

Ledge beam surface restored and painted, as needed.

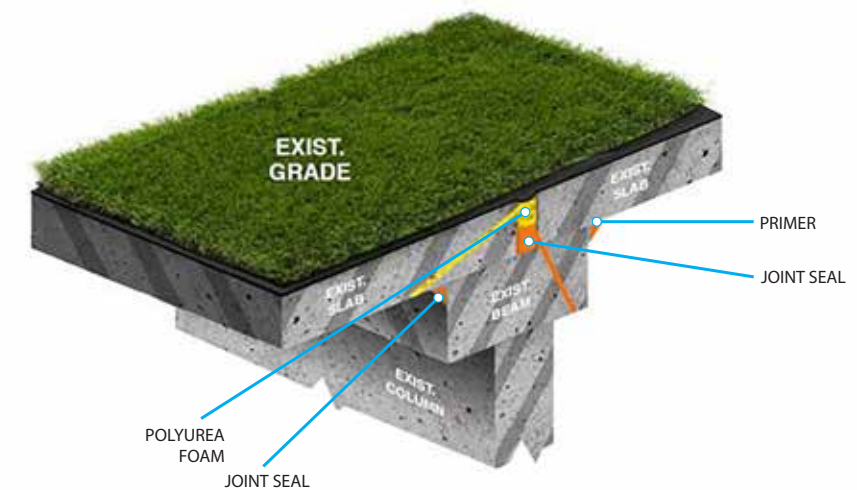
JOINT INJECTION

Ceiling, wall, and floor expansion joints waterproofed.

LEDGE BEAM REPAIR



Negative-side injection (from inside the parking garage) saves time and costs: no excavation or membrane removal are needed – less labour is used. The areas repaired are reopened for use in less than 24 hours.



About Us

Since 2015, Joint Seal Waterproofing has been providing concrete repair services and waterproofing solutions in Toronto, the GTA and the surrounding areas. We specialise in thin patch applications, crack repair, slope correction, and waterproofing membranes.



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