Why Choose Us

KNOW OUR BUSINESS

We are able to fuse two concrete slabs by using high-strength industrial concrete adhesive. This ensures that any patch permanently adheres to the repaired surface.

We repair concrete and restore it to its original condition. Patched concrete becomes as good as new, eliminating the need to replace a slab!

- **01** High-end concrete repair, rehabilitation, and waterproofing.
- **02** Thin-patch applications and slope reversal contributing to cost savings.
- **03** Polymer cement with adhesive allows formless wall and ceiling patching.
- **04** Parking garages, expansion joints, elevators, balconies, and tunnels.
- **05** Over 300 condominiums repaired in the GTA.
- **06** Own forces and certified applicators. Extensive warranty.

**Repair processes:** ceiling/wall/floor cracks and patching, balcony slope reversal, expansion joints.
WELCOME TO
JOINT SEAL WATERPROOFING

High Rise Buildings
Parking garages, elevators, balconies, planters, swimming pools, party rooms.

Commercial & Industrial
Schools, warehouses, assembly halls, and more.

Government & Municipal
TTC and Toronto Pearson Airport.

Hospitals & Clinics
Repairs are done with highly-specialized materials, approved for medical facilities.
EXPANSION JOINTS

Repairs done from the bottom result in significant savings and no extensive area closures

Expansion joints – spaces between ceiling concrete slabs – play an important role: they allow concrete to expand and contract up to four inches in total. If the slabs were not allowed such expansion and contraction, they would break.

Leaking of expansion joints is a common issue caused by cracks in the waterproofing membrane. Traditional waterproofing methods require replacement of the membrane, which involves costly excavation and extensive area closures.

Our specialized application methods allow us to inject liquid rubber directly into the expansion joints, from the bottom. This brings great savings – no excavations, no extensive area closures.

01 A specialized pure rubber closed-cell Joint Rod is installed at the bottom of the expansion joint to prevent the injected material from running out.

02 Specialized soft rubber material is injected into the joint. It pushes any accumulated water out and goes up into the crack, permanently sealing it, since it displaces all the water.

03 The waterproofing membrane is completely repaired: the injected material fills all the cracks and voids in the concrete and the membrane, sealing them permanently.
LEDGE BEAMS
Repairs done from the bottom result in significant savings and no extensive area closures

Traditionally, expansion joints behind ledge beams are very difficult to waterproof. This is a serious problem: water infiltration will cause concrete of the ledge beams to degrade and lose load-carrying capacity.

Our unique repair methods make it possible to waterproof expansion joints behind ledge beams. Our waterproofing method allows all the work to be done from within the parking garage.

Our specialized application methods allow us to inject liquid rubber directly into the expansion joints, from the bottom. This brings great savings – no excavations, no extensive area closures.

01 A guided rail drill is used to calculate the direction of a drill port, which reaches into the expansion joint directly.

02 Soft rubber-like material is injected into the expansion joint through the drill port. It removes any water accumulated in the joint, sealing all the cracks and voids permanently.

03 Ledge beams are completely waterproofed. Our application methods allow for slab movement, offer permanent expansion joint waterproofing and extend the useful life of the ledge beam.

Our specialized methods allow waterproofing to be done from the bottom – great cost savings.
**BALCONIES**

Our application methods allow us to reverse balcony slope – balcony slabs will not require replacing.

**01 Slope Reversal**

If balcony slope becomes flat or inverted, it will cause water to leak into the unit.

The balcony slope must be reversed – which is possible with our specialized materials that allow for thin-patch applications.

**02 Floor Cracks**

Cracked balcony surface inevitably causes leaking into its own unit and the one below, depending on the severity of the crack.

We work outside and inside the unit, as needed, to ensure long-lasting waterproofing.

**03 Floor Delamination**

Delaminated concrete, depending on its severity, can cause leaking as well.

Patches as thin as 5 mm can be done, to remedy/prevent the problem.

**04 Decorative Finish**

Lack of proper finish can lead to balcony surface deterioration.

Special UV-resistant, non-slip paint is used: balconies look beautiful, are protected from the weather elements and are safe.

**Repair processes:** ceiling/wall/floor cracks and patching, balcony slope reversal, expansion joints.
Our application methods make it possible to work from the inside – a great cost saving

**01 Floor/Wall Corner**
Floor/wall corners (cold joints) represent a weak area where leaking frequently occurs. If leaking is not stopped, it will cause the elevator equipment to rust, which will eventually lead to elevator shutdown.

Our multi-step repair procedure shown below ensures long-lasting waterproofing in these challenging spots.

**02 Floor/Wall Crack Repair**
Wall cracks are a common issue. Cracked shaft walls will leak, making repair necessary.

**03 Floor/Wall Patching**
Delaminated concrete must be patched to remedy leaking.

**04 Block Wall Waterproofing**
A drainage system must be installed, and surface waterproofing must be done, to stop leaking.

**05 Piston Waterproofing**
Piston cylinder must be waterproofed to stop leaking around the piston.

**OUR SOLUTION**
Since a leaking shaft will lead to rusty elevator equipment, which will eventually cause elevator shutdown, specialized procedures are followed to ensure a long-lasting solution.
PARKING GARAGES
Complete column restoration, expansion joint waterproofing, patching and crack repair.

01 Wall and Ceiling Patching
Our applications make wall and ceiling patching possible, without the use of forming.

02 Patching on All Surfaces
We apply patches as thin as 5 mm to repair delaminated concrete.

03 Crack Repair
Our applications are designed to repair and waterproof any single defined and multiple cracks.

04 Column Repairs
We completely restore column load-carrying capacity – there is no need to build new columns.

05 Expansion Joints
Injection with our liquid materials allows expansion joints to work properly, expanding and contracting.

Our specialized techniques allow for fast and long-lasting solutions. Concrete does not require recasting, which means great cost savings.
Elimination of hydraulic pockets, crack repair and patching on all surfaces

**Elimination of Hydraulic Pockets**
Water accumulates above the tunnel, causing voids to be created. Over time, voids will form hydraulic pockets which increase stress on the concrete structure.

Our application methods are designed to displace and remove the accumulated water by injecting liquid rubber. This permanently seals the void, removing the source of the problem.

**Permanent Crack Sealing**
Our applications are designed to repair and waterproof any single defined and multiple cracks on any concrete surface.

**Patching**
Patches as thin as 5 mm are applied to repair any delaminated concrete on non-flat ceilings, without the use of forms.

**Repair processes:** ceiling/wall/floor cracks and patching, balcony slope reversal, expansion joints.
Other Services

Swimming pools
Our Leak Stopper technology allows to repair cracked concrete pool walls from the outside, which avoids costly pool draining.
The following service are offered:
  - Crack repair
  - Outer sufrace insulation
  - Resurfacing

Utility / mechanical / garbage rooms
Our specialized materials provide a long-lasting solution (floors also look great!). Floors are protected from:
  - Wear-and-tear from water and oil leaking from the machinery
  - Mechanical intrusions

Roofs
Permanent waterproofing of flat roofs and planters.
Our processes include the following:
  - Crack repair and patching ahead of roof membrane application
  - Installation of a special liner made of fiberglass (for planters)
Outdoor Waterproofing
A variety of other areas are waterproofed permanently:
- Curb patching
- Sidewalk repair & replacement
- Manhole repair & coverage
- Retaining wall
- Building perimeter

Stairs
Stairs are completely repaired through thin-patch applications, which represents significant savings of time, labor, and costs. Our procedures ensure the following:
- Complete restoration of stair geometry
- Elimination of cold joints (weak areas between steps)

Other Services
We also offer a variety of other services:
- Electrical
- Plumbing
- Railing
- Drywall & fit-out finishes
- Suspended ceiling
- Condo renovation

Specialized in: ELEVATORS, BALCONIES, TUNNELS, PARKING GARAGES
Rated to Perform for a Quarter of a Century!

Tested to the Ministry of Transportation Ontario standards, our applications are rated to last for 25 years.

We rehabilitate concrete to nearly original condition, which more than doubles the useful life of repaired structures, as compared to the industry standards.