

# Preston Thompson

## TECHNICAL SPECIALIST

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### Professional Summary

An experienced technical specialist with 11+ years of diversified, hands-on construction experience. He is focused on expanding his knowledge in grouting techniques by working in complex cement, chemical and cellular grouting applications in a wide range of construction sectors, including infrastructure, heavy civil, and utilities.

### Work History

- 2017 to date**    Multiurethanes Ltd.  
                         Mississauga, ON  
                         Multiurethanes Inc.  
                         Buffalo, NY
- 2014 - 2017**    Quality Control Inspector  
                         Mevotech  
                         Toronto, ON
- 2010 – 2014**    General Labourer  
                         Various Construction companies  
                         Greater Toronto Area, ON

### Education

- 2011 – 2014**    Civil Engineer Technology  
                         George Brown College  
                         Toronto

### Current Safety Certifications

- Standard First Aid CPR-A & AED
- Confined Space Entry
- Working at Heights
- WHMIS

### Specialties

- Chemical crack injection of parking garages, building foundations, retaining walls, and bridge abutments/wing walls using flexible resin
- Concrete crack injection, concrete repair, utility manhole sealing, soil stabilization, and inflow water stop
- Control of water inflows through leaking concrete structures, construction joints, expansion joints and rock fissures
- Water control applications for tunneling, heavy civil and infrastructure projects
- Hands-on technical experience with cement and chemical grouting operations

### Technical skills

- Diversified hands-on expertise in grouting solutions for the control of water inflows, restoration of concrete structures, crack injection and void filling
- Operational knowledge of grout mixing and pumping equipment for chemical injection and cement grouting applications
- Understanding of grout material selection including grout formulations and the use of performance-enhancing additives
- Training of contractor personnel for grouting procedures, techniques, materials and equipment.
- Grouting equipment servicing and repair combined with on-site troubleshooting experience
- Knowledge of waterproofing materials application and installation

### Selected Project Experience



#### **Soil Stabilization Program for Utility Contractor** Toronto, ON

Assisted a utility contractor in the implementation of a soil stabilization program when loose fill was encountered during excavation operations.



#### **Chemical Injection for Underground Chamber** Guelph, ON

Engaged in water stop project to seal joints in precast underground utility chamber where infiltration was inevitable due to the high water table.



#### **Cement Grouting to Fill Voids in Tunnel Cross Passage**

Toronto, ON

Performed cement grout injection to fill voids and to stop water infiltration around the cross passage section in the tunnel.



#### **Chemical Injection in Underground Parking** Burlington, ON

Performed chemical grout injection to seal cracks in concrete, preventing infiltration of water through the foundation walls.