



Grouting Professionals

Water Control for Underground Mines

ENGINEERING SERVICES

- Water Control
- Ground Improvement
- Underground Bulkheads
- Grouting for Borehole Drilling
- Mine Development Support

NORTH AMERICAN EXPERIENCE

- Rio Tinto, Northwest Territories
- Cameco, Saskatchewan
- HudBay Minerals, Manitoba
- Canadian Gypsum, Ontario
- FNX Mining, Ontario
- Sifto Salt, Ontario
- Agnico-Eagle, Quebec
- PCS Picadilly, New Brunswick

INTERNATIONAL EXPERIENCE

- Excellon Resources, Mexico
- Breakwater Resources, Honduras
- Pan American Silver, Peru
- Agnico-Eagle, Finland
- Newcrest Mining, Indonesia

COMPANY PROFILE

Multiurethanes Grouting Professionals offer unique engineering services to **TROUBLESHOOT CHALLENGING WATER INFLOW PROJECTS** in underground mines. Typical problems resolved by our hands-on engineers include large-volume high-pressure water inflows and mine development through broken and water-bearing ground conditions.

Multiurethanes specializes in the application of specific grouting technologies involving chemical and cement grouts, specialized equipment and accessories as required to overcome difficult underground mining conditions. Multiurethanes Grouting Professionals deliver on-site training and instruction of grouting fundamentals to provide your crew with water control capabilities.

For a summary of grouting services routinely provided to mining clients, please contact Vreneli Wall at vreneli.wall@multiurethanes.com

For project specific inquiries, please contact Peter White at peter.white@multiurethanes.com

innovative 
SOLUTIONS **that**
HOLD WATER



Hudbay Minerals, 777 Mine, Manitoba
 Specialized grouting equipment and technical support was used in the construction of two high-pressure concrete bulkheads.



Agnico-Eagle, Goldex, Quebec
 Construction of a shaft collar through quick sand was overcome using a systematic engineered grout plan. The plan specified strategic placement of grout pipes as well as appropriate cement grout mixture for this unique application.



FNX Mining, Podolsky Mine, Ontario
 Pre-grouting of raise bore holes was completed using microfine cement grouts, equipment and technical support.



Sifto Salt, Goderich Mine, Ontario
 Chemical grout, applied as spray foam, was used to seal a five meter high by eight meter wide underground ventilation bulkhead. A layer of cement grout (in the form of spray foam) was applied over top for fire protection purposes.