

**DESCRIPTION:** MICROSIL® SHOTCRETE is a pre-blended shotcrete containing silica fume, polymers and other carefully selected components. MICROSIL® SHOTCRETE has greatly enhanced shooting characteristics and physical properties.

**USES:** In the wet mix process, MICROSIL® SHOTCRETE is pumped through the hose and compressed air introduced at the nozzle in order to spray.

The shotcrete impacts the surface at high velocity resulting in a well-compacted, high quality concrete with excellent bond.

Some common uses include:

- Slope stabilization
- Initial and secondary tunnel support
- Structural linings
- Concrete rehabilitation

MICROSIL® SHOTCRETE may be used in combination with steel fiber reinforcement to enhance load carrying capacity and with a non-caustic shotcrete accelerator to provide high early strengths and fast set times. It can be blended to meet ACI 506 gradation #1 or #2.

**ADVANTAGES:**

**STICKINESS:** MICROSIL® SHOTCRETE has vastly improved adhesion and cohesion characteristics compared to conventional shotcrete. This STICKINESS saves time and money because:

- Rebound is significantly reduced, resulting in lower material usage.
- Sagging and sloughing is eliminated.
- Thick layers can be applied in a single pass in both the vertical and overhead orientations.

**PHYSICAL PROPERTIES:** Silica fume in MICROSIL® SHOTCRETE creates a higher strength shotcrete with low permeability and excellent freeze/thaw durability.

**RESISTANCE TO WATER WASHOUT:** MICROSIL® SHOTCRETE in the plastic state has tremendous resistance to washout by flowing water. This allows it to be applied to moderately wet surfaces and to be used in rainy weather. MICROSIL® SHOTCRETE is ideal for shotcreting in marine environments as rising tides and currents will not adversely affect freshly placed material.

Please refer to our **MICROSIL SHOTCRETE data sheet for technical details.**

**LIMITATIONS:** The performance of in-place shotcrete relies heavily upon application techniques. To adequately determine the quality of in-place shotcrete, the material, equipment and key personnel should all be pre-qualified prior to project start up.

Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

**SAFETY PRECAUTIONS:** MICROSIL® SHOTCRETE contains Portland cement, silica fume and other carefully selected additives. Normal safety wear such as rubber gloves, dust mask and safety glasses used to handle conventional cement based products should be worn. Safety Data Sheets are available online at [www.basalite.ca](http://www.basalite.ca).

**PACKAGING:** MICROSIL® SHOTCRETE can be custom blended with or without steel fiber reinforcement and/or shotcrete accelerator. MICROSIL® SHOTCRETE is packaged in 30 kg (66 lb) triple-lined bags or One (1) cubic yard bulk bags, stretch-wrap and cap on wooden pallets. All Basalite Dry Mix products can be custom packaged to meet specific project requirements.