

Micro-surfacing

An innovative approach in pavement preservation.

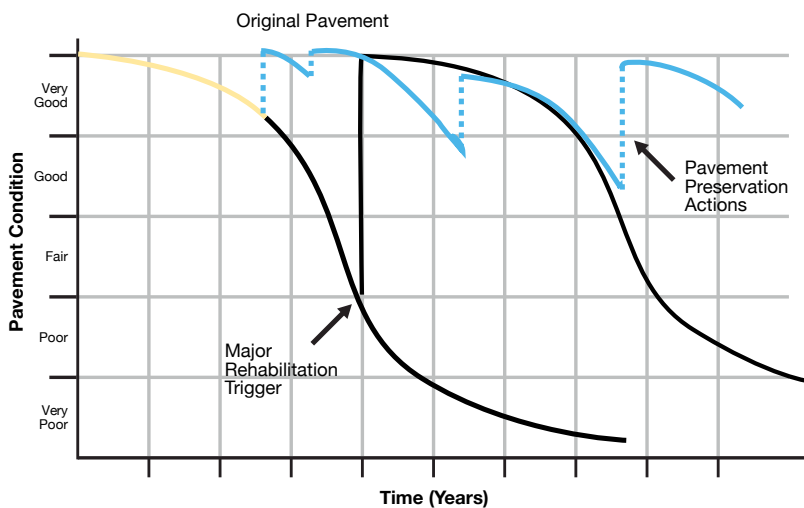


GLC | GENERAL LIQUIDS CANADA

Why Preservation?

The majority of roads are constructed using asphalt, and many will show serious signs of deterioration after the first few years of service. High traffic conditions and natural elements will cause: rutting, ravelling, surface degradation, and thermal cracking. In these instances, micro-surfacing provides the best possible solution to fix the surface distresses as a means of corrective and preventive action.

The Pavement Preservation Concept



What is Micro-surfacing?

Micro-surfacing is a dense graded slurry mix consisting of fine aggregate, cationic quick set emulsion, cement, water and a strength imparting robust polymer. It is applied in mats, ranging from 3/8 inch to 1 1/2 inch thickness, using specialized equipment.

SUITABILITY:

- Ideal for rut filling, surface sealing and ride quality improvement.
- Ideal for restoring proper surface profile and providing skid resistance surfaces.
- Ideal for restoring high volume roads, highways, city streets, low volume roads, municipal roads, runway surfaces, etc.
- Ideal for problematic areas where other materials fail to deliver.

PROCESS:

- Vast design and material selection based on existing road condition.
- Specialized equipment is used to overlay the surface mat with our expert application group, Road Redi.
- The “rehabilitated” road is made traffic worthy within an hour after placement of slurry mat.

ADVANTAGES:

- Prolongs the service life of roads by up to 5 years.
- Cost effective alternative to conventional hot mix asphalt pavement.
- Green technology—uses low energy, less material and reduces emissions.
- Surface restoration can be achieved in 1/3rd the cost of conventional hot mix asphalt.
- Provides excellent bonding to existing pavement surface.

Innovation in Action

A division within the Municipal Group of Companies, General Liquids Canada serves a variety of clients within the construction industry, including road builders, industrialists and other business-to-business users of bitumen-based products. Our products and services are backed by:

- a team of skilled technicians and operators
- a modern emulsion production facility
- an efficient and automated terminal
- a comprehensive testing/research laboratory



GLC also provides material performance research to promote new and more effective ways of constructing, sealing and preserving roads and structures. We continually strive to develop new, performance-based products that are eco-friendly, energy efficient and cost effective.



General Liquids Canada is an ISO 9001 (quality), 14001 (environmental) and AASHTO (laboratory) accredited facility.



For more information, visit www.general-liquids.ca or call 902-835-3311.