

Treatment Comparison

Preservation and Reconstruction Options



GLC | GENERAL LIQUIDS CANADA

A selection guide for the best solution for your pavement needs.

New construction? Rehabilitation? Surface treatment? Don't know? Let General Liquids Canada's technical team help guide you through the evaluation of your existing surface or new project needs. After the onsite assessment and pavement indexing report, our team can direct you in the selection and treatment options that best suit your needs.

Whether you require a light duty application for rural or estate roads, or high performance modified hot mix asphalt for busy heavy load intersections, GLC has the right product for your project.

Surface Preservation

Do not wait until your road degrades to the point of needing costly reconstruction. Caught early enough, appropriate pavement preservation techniques will extend the life of your roads and remain within tight budget limitations.

Pending pre-existing conditions, different solutions are available.

Treatment	Duration (Years)	Coverage Ratio (Km's)	Ideal Application
Fog Seal	1 to 2	12.0	Dust suppression, surface oxidation
Single Chip (Budget)	3 to 5	3.0	Low traffic volume roads, (Cottage lanes, estate roads)
Single Chip (Premium)	5 to 7	2.5	Low to medium traffic volume roads, (Rural, Residential streets, light duty parking lots)
Micro	7 to 8	2.0	Minor to moderate stresses on high speed volume roads, rutted surfaces, cracked parking lots
*Hot Mix Asphalt Thin Lift (HMA)	8-10	1.0	High volume roads with severe distresses
Hot Mix Asphalt (Polymer) Thin Lift	11-14	0.9	Busy intersections, heavy slow traffic, high speed traffic, runways, racetracks

*Standard for comparison purposes.

Products for Construction

For new construction or when a surface treatment is not an option, there are many alternatives. The traditional HMA is in many cases over-engineered for the traffic and needs of the road. Consider alternatives that are less expensive to construct and hence can cover more km's while satisfying the basic needs of a safe, usable road.

Treatment	Duration (Years)	Coverage Ratio (Km's)	Ideal Application
Double Chip	5 to 7	3.0	Low traffic volume roads, (Secondary roads, residential streets)
Cape Seal	7 to 8	3.0	Micro Cap on new chip seal improves surface texture for sensitive residential pavements
Emulsion Mix	8 to 10	2.0	Low to medium volume roads, or full to partial depth reclamation
Emulsion Mix (100% Virgin)	10 to 12	1.5	Low to medium volume roads, grader or paver applied, storable in stock piles
Hot Mix Asphalt (High RAP)	12 to 14	1.3	High recycled content, save on aggregate and bitumen use
*Hot Mix Asphalt	12 to 15	1.0	High volume roads, parking lots, new developments, residential streets
Hot Mix Asphalt (Polymer)	15 to 20	0.9	Busy intersections, heavy slow traffic, high speed traffic, runways, racetracks

*Standard for comparison purposes.

General Liquids Canada's technical team can help you design your road and assist in setting up a pavement management plan.

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.

