SLURRY/MICRO SYSTEMS:
SLURRY SEALS
MICRO-SURFACING
CAPE SEALS
COLOURED SLURRY
LIQUID ROAD®
THE MCA ADVANTAGE
With the MCA Advantage, you get a partner and advisor who will consult with you about designs, specifications, technical services, processes and material selection. By developing innovative, custom-designed products that offer additional benefits, such as peak performance in unique conditions, improved field performance, greater environmental and health benefits, the MCA Advantage provides significant long-term cost savings, resulting in lower “total cost of ownership.”

SLURRY SEALS
Slurry seal is a mixture of aggregate, emulsified asphalt, water and additives that are properly proportioned, mixed and spread over a prepared surface. A polymer-modified system can be used in the same application and will enhance one or more properties of the slurry to better meet a particular project requirement. Slurry seal is applied in a single layer.

MICRO-SURFACING
Micro-surfacing is composed of engineered, polymer-modified asphalt emulsions mixed with crushed well-graded aggregate, mineral filler, water and additives. The main difference between this system and other slurry systems is that micro-surfacing is stackable and therefore engineered for rut fill applications and minor structural deficiencies.

CAPE SEALS
A cape seal is a combination of a single-chip seal application followed by slurry seal or micro-surfacing. The slurry or micro-surfacing application helps fill the voids between the chips. The slurry bonds the chips to prevent loss, while the chips prevent undue traffic abrasion of the slurry. Cape seals are often used because of the aesthetics of the finished surface. Inverted cape seals are often used as a rut fill followed by a single-chip application for an economical solution to wheel path pavement deformation.

COLOURED SLURRY
Coloured slurry is a mixture of synthetic emulsion binder, pigments and specially-selected aggregates. Coloured slurry is quick to set, can be produced in almost any colour and creates a durable, attractive wearing surface with excellent skid resistance. Uses include lane delineation, shoulder delineation, decorative medians, crosswalks, driveways, golf cart paths, bike paths and turn lanes.

LIQUID ROAD®
Liquid Road® is a high-performance, fibre-reinforced asphalt emulsion blended with polymers, mineral aggregate and special surfactants for superior adhesion, flexibility and durability. The product can be used as a sealer over an existing oxidized and aged pavement or in combination as a seal over a newly-placed chip seal.

FEATURES AND BENEFITS
- High production rates mean lower user costs.
- Eco-efficient processes save energy and resources compared to hot-mix overlays.
- Slurry systems can be used as a cost-effective alternative to micro-surfacing in areas that do not require cross-sectional profile correction or rut fill.
- Prevents surface distresses, keeping good roads in good shape.
- Restores a roadway surface without requiring or affecting curb reveals.
- Reduces water and air infiltration, which minimizes oxidation, ravelling and freeze/thaw damage.
- Improves skid resistance; gradation can be varied to achieve the desired level of friction.
- Provides a protective layer/wearing course, which extends the service life of the roadway.
- Covers segregated areas: end of load, random, longitudinal, gearbox segregation, etc.
- Covers flushed and bleeding areas.
- Multi-lift system enhances the drivability of the roadway.
- Enhances aesthetics of the existing roadway by covering defects and imperfections.
- Economical solution to preserving infrastructure and capital investment in pavements.

WESTERN REGION:  T 403.995.2345  F 403.995.2158
ONTARIO REGION:  T 416.281.8181  F 416.281.8842
QUEBEC REGION:   T 514.645.1691  F 514.645.4401
ATLANTIC REGION:  T 902.468.3733  F 902.468.1198
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