SEAL COATING:
CHIP SEALS
DENSE-GRADED SEAL COAT
SAND SEALS
FOG SEALS
REJUVENATING SEALS
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.”

SEAL COATING

Asphalt seal coating is a broad term used to describe several types of asphalt-aggregate applications, usually less than 25mm thick and applied to any kind of road surface. The road surface may be primed, granular base, existing asphalt or a portland cement concrete pavement.
Seals can be placed as a single lift or in multiple lifts depending on the traffic demands and the conditions of the existing surface.

CHIP SEAL

A chip seal, commonly referred to as a seal coat, is primarily made up of one size of aggregate that can be either washed or dusty.

DENSE-GRADED SEAL COAT

A graded aggregate seal is defined as a seal coat that uses a well-graded aggregate rolled into a high-float emulsified asphalt, also known as a dense-graded seal.

SAND SEAL

A sand seal is a spray application of asphalt emulsion followed with a light covering of fine aggregate, such as a clean sand or screenings. Although this is a simple operation, it can be useful in correcting a number of pavement flaws.

FOG SEAL

A fog seal is a light application of asphalt emulsion to an existing paved-asphalt surface. This type of maintenance treatment is primarily employed as an impervious sealer that will slow the rate of weathering of the asphalt in the underlying pavement.

REJUVENATING SEAL

A rejuvenating seal consists of a single application of a rejuvenating emulsion on an existing aged-road surface to restore the chemical balance at the surface and some small depth below.

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

• Emulsions can be used with damp aggregate, which is actually preferred.
• The process does not require elevated temperatures, making it environmentally friendly.
• Emulsion usage significantly reduces VOC emissions, which are typically associated with the use of cutback asphalts.
• Custom formulas can be created for existing environmental conditions and using available aggregates.
• Polymer-modified emulsions can be used to enhance asphalt properties for durability, stability, impermeability and early stone retention, as well as to reduce flushing and bleeding.
• Renews weathered pavements.
• Improves skid resistance; available in various textures.
• Fine aggregate treatments can improve street sweeping.
• Reduces ravelling and restores a uniform cover.
• Prevents the intrusion of moisture and air.
• Seals very small cracks and surface voids.
• Enriches and coats weathered aggregate particles at the surface.
• Delineates shoulders from traffic lanes.

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