ASPHALT CEMENTS:

PERFORMANCE-GRADED ASPHALT CEMENTS (PGAC)
POLYMER-MODIFIED ASPHALT CEMENTS (PMA)
PENETRATION-VISCOSITY GRADED ASPHALT CEMENTS
SPECIALTY ASPHALT CEMENTS
ASPHALT ADDITIVES & MODIFIERS
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.”

PERFORMANCE-GRADED ASPHALT CEMENTS (PGAC)
McAsphalt’s performance-graded products meet or exceed the AASHTO M 320 specification requirements and are engineered to address fundamental material properties that account for specific pavement distresses and failure mechanisms. The grade defines the temperature ranges in which the asphalt cement should not become too soft or too brittle. It is specified by climatic conditions, traffic volume and traffic type.

POLYMER-MODIFIED ASPHALT CEMENTS (PMA)
Polymer-modified asphalt cements (PMA) have been used for many years to reduce the amount and severity of distress and extend the service life of hot-mix asphalt pavements and overlays. McAsphalt offers the industry’s most advanced line of PMA, designed to maximize the beneficial effects of the binder on permanent deformation, fatigue and low-temperature cracking within your environmental and traffic conditions.

PENETRATION-VISCOSITY GRADED ASPHALT CEMENTS
Engineered to meet the CAN/CGSB-16.3-M90 specification, as well as specific provincial/state or regional requirements. This category represents the more technical, empirical asphalt cement grading system.

SPECIALTY ASPHALT CEMENTS
McAsphalt’s expertise in binder modification and our state-of-the-art facilities allow us to custom blend asphalt products for many road and non-road related industries. Specialty binders can be engineered for recycling or rejuvenating aged asphalt and for use in unique environments such as racetracks, airports and container terminals. We can also engineer custom-blended products for the adhesives industry and roofing/waterproofing applications.

Crumb rubbers are specially-engineered, high-performance asphalt cements containing recycled tire rubber. They are engineered to meet ASTM D6114 and offer several design advantages when considered for noise absorption or quiet pavements.

ASPHALT ADDITIVES & MODIFIERS
McAsphalt provides the road construction industry with the highest-quality asphalt additives, which increase adhesion between asphalt cements and aggregates and improve pavement performance via reduced pavement rutting and moisture-induced damage. Our products can save time and money for mix producers and paving contractors, while improving the overall performance of the pavement and extending service life.

Warm-mix asphalt cements (WMA) introduced a paving alternative to conventional binders that delivers longevity and performance while dramatically reducing emissions and fuel demands. Our innovative technologies are designed to improve mixing coating, workability, compaction and adhesion of asphalt mixes. WMA is a long-lasting paving solution that significantly lowers temperatures for asphalt production and application. This leads to major reductions in fuel consumption, energy requirements and environmental impact, as well as improved working conditions.