COLD MIXED ASPHALTS:
OPEN-GRADED MIXES
DENSE-GRADED MIXES
RECYCLED ASPHALT MIXES
STOCKPILE/MAINTENANCE MIXES
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.”

COLD MIXED ASPHALTS

Cold emulsion mixes are basic aggregate-asphalt emulsion mixes classified by their use, composition and storability. Mix designs are required to determine the grade and percent of emulsion used, as well as the workability, stability, strength and moisture susceptibility. Mixes are designed for purpose and climate.

High Performance cold mixes are engineered with specific additive packages designed to work in all service/weather conditions and to suit a range of maintenance activities, permanent or temporary. These specialty patching mixes can be stockpiled or packaged and are ideal for potholes, utility cuts, railway crossings and various maintenance practices for flexible pavements.

OPEN-GRADED MIXES

Open-graded mixes are high air void mixes that result in quick drainage, improved skid resistance and reduced hydroplaning and spray. Open-graded mixes reduce road noise and are an economical alternative to sound barriers, while the increased durability improves rut resistance. Open-graded mix is useful for restoration or new construction at varying depths, either mixed in place or stockpiled.

DENSE-GRADED MIXES

Dense-graded mixes are medium air void mixes, high in strength and use affordable crusher-run aggregates. Low water impermeability greatly improves freeze/thaw characteristics.

RECYCLED ASPHALT MIXES

Mixes can be made with up to 100% recycled asphalt pavement (RAP). These mixes are economical and environmentally friendly. RAP mixes can be crushed, graded, mixed and laid on site using custom-engineered rejuvenating emulsions.

STOCKPILE/MAINTENANCE MIXES

All forms of cold mix can be stockpiled. Mixes are specially formulated to meet the desired life of the stockpile. Their uses range from maintenance to base and wearing course paving and will allow for flexibility around unforeseen delays and varying weather conditions.

FEATURES AND BENEFITS

- Tailor designed for optimum performance of varying raw materials and climates.
- Control over characteristics such as set time, mix time and strength.
- Environmentally friendly, emission free.
- Economical: eliminates the need to dry or heat aggregate.
- Safety: cold emulsions are safer than super-heated asphalt cements.
- Option to mix in place or plant mix and stockpile.
- Wide choice of processes to meet your paving needs (repair, restoration, base and wearing courses).
- Suitable for new construction or rehabilitation.
- Processes to meet secondary or primary road demands.
- Utilization of standard paving equipment (paver or blade laid).
- Cost effective way to maximize the life of the road.