



COLD MIX ASPHALTS

- Open-Graded Mixes**
- Dense-Graded Mixes**
- Recycled Asphalt Mixes**
- Stockpile/Maintenance Mixes**

MCA
PROCESSES

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, and greater environmental and health benefits, the MCA Advantage provides significant long-term cost savings, resulting in a 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 needed, as well as the mix’s workability, stability, strength, and moisture susceptibility. Mixes are designed for specific purposes and climates.

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 their increased durability improves rut resistance. These mixes are useful for pavement restoration or new construction at varying depths and can be either mixed in place or stockpiled.

DENSE-GRADED MIXES

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

High performance cold mixes are engineered with specific additive packages that are designed to work in all service and weather conditions. They can 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.

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 their stockpile. 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 and emission-free**
- **Economical: eliminates the need to dry or heat aggregate**
- **Safety-conscious: cold emulsions are safer than super-heated asphalt cements**
- **Options to mix in place or plant mix and stockpile**
- **Wide choice of processes to meet your paving needs (repair, restoration, and base and wearing courses)**
- **Suitable for new construction or rehabilitation**
- **Processes that 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**



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