

WARM-MIX ASPHALT



E&B PAVING.Inc
World-Class Solutions at a Local LevelSM

Asphalt Technologies that Support a Cleaner Environment



As part of the Irving Materials, Inc. *Group of Companies*, E&B Paving is committed to continually improving and expanding upon our heritage of responsible environmental stewardship. We've made this commitment throughout our operations in order to help promote a cleaner environment wherever we deliver world-class paving solutions.

Warm-mix asphalt (WMA) is a key contributor to our environmental sustainability leadership position. WMA represents a group of technologies that lowers the temperatures at which asphalt pavement material is produced, placed and compacted. This temperature reduction offers several environmental sustainability benefits, including reduced fuel consumption, lower asphalt plant emissions, and the ability to incorporate higher percentages of recycled asphalt product into pavement mixes.

WMA production processes and equipment are essentially the same as for traditional hot-mix asphalt pavements. However during the production process, WMA technologies will either add minor amounts of water to the liquid asphalt in order to create a foaming action (E&B Paving's approach) or, alternatively, chemical additives that change the liquid asphalt's viscosity. Both groups of WMA technologies result in an asphalt mix that can be produced and placed at lower temperatures compared to conventional hot-mix alternatives.

WMA technologies not only help sustain the environment, but they also provide our customers with economic and pavement quality benefits as well.

- > WMA lowers E&B Paving's carbon footprint through an approximate 10% reduction in fuel usage when production temperatures are 50°F lower than conventional hot-mix asphalt, and an approximate 20-50% decrease in carbon emissions
- > WMA production processes create less smoke (vapor) and corresponding odor
- > WMA is a 100% recyclable product
- > When a higher percentage of reclaimed asphalt pavement (RAP, or recycled asphalt) is combined with WMA technologies, it produces a rut-resistant, longer life pavement
- > More miles of pavement can be paved at less cost using WMA
- > WMA mixes produce higher density pavements
- > WMA is compactable at lower temperatures than hot mixes, which allows for colder weather paving and longer distance hauling to construction sites

E&B Paving has been at the forefront of WMA technologies, production and paving. Since 2008, we have produced more than 1.5 million tons of warm-mix asphalt at our plants throughout Indiana, with plans to expand our capacity and capability of providing this environmentally friendly paving solution to more customers.

Learn More about E&B Paving's Warm-Mix Asphalt Solutions Visit our website at www.ebpaving.com where you can find contact information for the nearest E&B Paving office, electronically submit your project bid request and receive a free estimate. Our local team will take it from there to demonstrate how we can support your warm-mix asphalt paving needs and exceed your expectations with world-class solutions.