

Longer lasting roads

EVOTHERM[®]
WARM MIX ASPHALT TECHNOLOGY

**Easy to use.
Money saving.
Proven
performance.**

Key benefits

- improved workability
- adhesion/antistrip
- better compaction
- extended hauls
- longer season
- fiber removal
- longer lasting roads
- reduced environmental emissions
- lower pavement costs
- improved productivity
- increased recycling

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Evotherm is a water-free warm mix asphalt technology that offers new advantages to asphalt contractors and road building engineers looking for innovative warm mix solutions. Its easy and ready-to-use formula provides comprehensive benefits that surpass conventional hot mix asphalt.

Easy to use

Evotherm promotes adhesion at lower temperatures by acting as both a liquid antistrip and a warm mix asphalt (WMA) additive. It can replace lime with an easy-to-handle, pumpable liquid. Evotherm may be added at the mix plant or at the asphalt terminal. No special procedures are needed—once the Evotherm is mixed into the binder, simply lower your production temperatures. Evotherm can be used in any type of mix plant and is compatible with all grades of liquid asphalt.

Saving money on Montana Interstate 15

Evotherm was used as part of NCHRP 09-49A evaluating the field performance of warm mix technologies on I-15 south of Lima, Montana. The project highlighted three ways to make money with Evotherm: fuel savings at the plant, a faster paving operation and incentive pay. The mix temperature was lowered 50 F from 325 F to 275 F, reducing fuel costs at the mix plant. The paving crew found they could reduce the number of roller passes needed to achieve target densities, thus allowing them to speed up their paving operation. Core samples taken from the road had an average density of 94.3 percent, resulting in incentive pay for the contractor. The employees at the mix plant and on the jobsite also noticed improved coating compared to their typical mix.

Proven performance

Contractors have paved over 300,000 miles of Evotherm WMA around the world with all types of asphalt pavements, including heavily traveled interstates, urban streets, and rural roads. The U.S. National Center for Asphalt Technology evaluated Evotherm pavement from 2005-2012, demonstrating it can withstand over 20 million ESALs with less than 1/8 inch of rutting.

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