Oldcastle Materials is “way cooler” than those other guys
ECO-MIX™ asphalt is “way cooler” than those other guys

Why?
Because traditional hot mix asphalt (HMA) requires high heat to attain workability. Our special ECO-MIX process uses lower heat.

So, is lower heat a big deal?
You bet it is. Lower heating with ECO-MIX means:
• ECO-MIX has less oxidation during production, which results in extended binder/pavement life.
• ECO-MIX reduces carbon emissions.
• ECO-MIX reduces smoke and smell.
• ECO-MIX has compaction and workability equal to standard hot-mix asphalt.
ECO-MIX requires less energy to produce and uses more recyclable materials in the mix, making it a sustainable product.
The bottom line? ECO-MIX asphalt produces a high quality pavement that’s better for the environment.

Currently most plants are equipped to produce warm-mix asphalt.

Washington:
Inland Asphalt
Spokane Area - (509) 534-2657
Tri-Cities Area - (509) 943-0674
ICON Materials - (206) 575-3200

Idaho:
Interstate Concrete & Asphalt
Coeur d’Alene Area - (208) 765-1144
Sandpoint Area - (208) 263-0538

Oregon:
Eugene Sand & Gravel - (541) 683-6400
Riverbend Sand & Gravel - (503) 363-9281
ECO-MIX is an advanced mixing process in which a small amount of water is mixed with asphalt cement (AC) to create microscopic steam bubbles. The result is a binder that is foamed, much like shaving cream. Using special injection equipment, the aggregate.

The foamed binder gives the warm-mix asphalt the same performance and volume characteristics as that of traditional hot-mix asphalt, but the procedure is done at a lower temperature. In addition to these advantages, ECO-MIX is stored, transported, placed and compacted using the same equipment and similar procedures as hot-mix asphalt. Thus it can be installed with standard mixes.

What is ECO-MIX Asphalt?
ECO-MIX is an advanced mixing process in which a small amount of water is mixed with asphalt cement (AC) to create microscopic steam bubbles. The result is a binder that is foamed, much like shaving cream. Using special injection equipment, this modified binder is then added to the aggregate.

The foamed binder gives the warm-mix asphalt the same performance and volume characteristics as that of traditional hot-mix asphalt, but the procedure is done at a lower temperature.

In addition to these advantages, ECO-MIX is stored, transported, placed and compacted using the same equipment and similar procedures as hot-mix asphalt. Thus it can be installed with the same speed, efficiency and quality as standard mixes.
ECO-MIX is certified as a green solution!

We’re proud that ECO-MIX has earned the prestigious LEED Credit designation as a Green Building Product, and The Green Highways Partnership (GHP) has named it a “Green” Highway Product.

LEED – Green Building Credits

LEED (Leadership in Energy and Environmental Design) credits were developed by the U.S. Green Building Council. The general contractor, engineer or architect is typically responsible for getting a project certified.

ECO-MIX is qualified for LEED Credits in the following areas:
- Sustainable Sites
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources

The “Warm-Mix” Asphalt Initiative

Oldcastle Materials Group is a proud member of National Asphalt Paving Association (NAPA) and the “Warm-Mix” Asphalt Initiative.

ECO-MIX reduces the overall carbon footprint of a project

Compared with traditional HMA, ECO-MIX reduces the overall amount of greenhouse gases emitted:
- CO₂ Reduced 30-40%
- NOₓ Reduced 60-70%

Reduction of other plant emissions:
- SO₂ Reduced 35%
- VOC Reduced 50%
- CO Reduced 10-30%

Green Highways Partnership

The Green Highways Partnership (GHP) is a voluntary public/private initiative that is revolutionizing our nation’s transportation infrastructure. GHP seeks to incorporate environmental streamlining and stewardship into all aspects of the highway life cycle.