Engineered to outlast and outperform
Superpave mixes in thin mix applications

As one of the largest independent asphalt resellers in the United States, Associated Asphalt stores, blends, hauls and sells a diverse mix of performance grade asphalt products. With a 5.3 million barrel capacity, we also supply quality paving grade asphalts, emulsions, modified and specialty polymer-modified asphalts throughout the Eastern United States, helping many contractors pave their own road to success.

For more information about StellarFlex FR™ and other Associated Asphalt products, call 800-542-5780.

Proven to go the distance

The FlexGard® mix features a relatively high binder content (> 7% asphalt content) that provides excellent resistance to aging and fatigue cracking vs. a standard 9.5 mm mix. Despite the higher binder content, test results show that FlexGard® delivers superior performance due to the special polymer-modified binder used in the system. And because FlexGard® is a thin overlay mix, overall mix tonnage is lower, enabling lower costs per square yard than standard mixes.
Combining an optimized binder content with a specially formulated polymer-modified asphalt

The FlexGard® system features a slightly gap-graded mix gradation combined with polymer modified asphalt designed for long-life thin (3/4"-1 ½”), high-performance asphalt overlays. Developed to address the limitations of Superpave mixes in thin mix applications, the FlexGard® system is ideal for a wide range of long-term roadway maintenance demands, from quiet country two-lanes to crowded city streets.

The FlexGard® mix gradation (smaller than a 9.5 mm Superpave mix) enables a minimum asphalt content of 7% and allows overlays down to 3/4" thick with excellent workability and smooth, quiet surface texture. The higher asphalt content adds flexibility to the mix and ultimately provides greater resistance to fatigue cracking and longer pavement life.

FlexGard® mixes also include a StellarFlex® polymer modified asphalt. Selected according to roadway conditions and demands, the StellarFlex® binder further boosts pavement life and cracking resistance.

Bottom line? A FlexGard® system pavement will outperform conventional 1 ½” mill-and-fill construction, providing high resistance to fatigue cracking and longer pavement life.

Curb, contractor and budget-friendly

The FlexGard® system also installs easily around any existing infrastructure, including utilities and curbs as demonstrated in the NYC 1st Avenue project. FlexGard® can also open up installation options that eliminate or greatly reduce milling requirements and costs, as shown in the Kreitler Road project.

The 7% minimum asphalt content allows for easier field compaction and lower air voids in the finished mat, further supporting workability in the field and a more durable pavement. As a thin overlay mix, FlexGard® also helps reduce mix tonnage for additional cost savings.

In addition, FlexGard® includes a complete set of specifications that local owner agencies can use to advertise and administer the contract. The FlexGard® system provides material and construction specifications, pavement design, special mix design and asphalt binder. Equally important, any FlexGard® system mix can be produced locally using available aggregates and contractors.

It can easily be placed by local contractors using standard practices and equipment.
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