

FiberMat®

The Ultimate Stress Absorbing
Waterproofing Membrane



Overview:

FiberMat® is a crack resistant membrane produced by combining a specially formulated polymer modified emulsion with engineered fiberglass strands. A machine developed for the process creates and installs the FiberMat® membrane by uniformly applying both the fiberglass strands and the emulsion in a single, fast-moving, continuous operation. The strands are sandwiched between two layers of modified emulsion forming a matrix which is flexible, yet has a very high tensile strength. This combination of highly modified asphalt residue with fiberglass reinforcement absorbs stresses in the pavement structure and greatly delays the onset of cracking. Applying the final wearing surface of your choice completes the job.

Using FiberMat® on an older road that has a poor surface, but is in relatively good shape, quickly and economically preserves the roads integrity, providing many more years of service. In these tough economic times, road professionals must make the most of every precious dollar and FiberMat® helps them do just that. FiberMat® greatly extends the life of good roads because it waterproofs the surface, greatly delays future cracking and restores skid resistance, all at a very economical price. In addition, roads can be quickly opened to traffic, and FiberMat® is recyclable using conventional equipment!

Strength above & below the pavement



FiberMat® Type A

Fiber Reinforced Membrane – Wearing Surface

Chipseal's do an excellent job of waterproofing roads while improving skid resistance, protecting against moisture damage and providing safety. However, working cracks can propagate very quickly through the asphalt of a conventional chipseal, allowing water to penetrate and damage the subbase. The FiberMat® Type A process using engineered fiberglass strategically placed between the two layers of emulsion resists the propagation of cracks, thus protecting and prolonging the life of the pavement.

FiberMat® Type B

Fiber Reinforced Membrane – Interlayer

Fabrics and geotextiles placed between layers of asphalt pavements have been shown to water proof the road surface and significantly slow the propagation of existing cracks through new surfacing. But inherent installation difficulties with fabrics and geotextiles often result in stretching, tearing, wrinkles, seams, poor bonding to the existing surface and incomplete installation around radiuses, all leaving entries for damaging moisture. Because FiberMat® Type B is sprayed in-place directly onto the road surface, it eliminates all the fabric and geotextile installation problems.



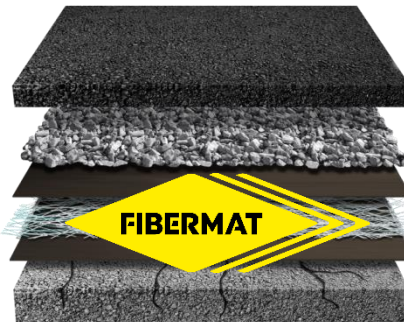
Aggregate 17 – 25 lbs/sy
1/2", 3/8" or 1/4" and combination

Polymer Modified Asphalt Emulsion
0.2 – 0.3 gal/sy

Fiberglass 2 - 3 oz/sy

Polymer Modified Asphalt Emulsion
0.2 – 0.3 gal/sy

Existing cracked surface



Surface treatment of your choice

Aggregate 10 – 15 lbs/sy
1/2", 3/8" or 1/4" blinding aggregate

Polymer Modified Asphalt Emulsion
0.175 – 0.225 gal/sy

Fiberglass 3 - 4 oz/sy

Polymer Modified Asphalt Emulsion
0.175 – 0.225 gal/sy

Existing cracked surface



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