

Pennsylvania Department of Transportation  
Bureau of Municipal Services - Programs and Services

## Bituminous Fiber Reinforced Seal Coat

### MS-0350-0018 Technical Sheet

Bituminous Fiber Reinforced Seal Coat is a modified surface treatment used for maintenance on low volume roads. It is a layered combination of Polymer-Modified Asphalt Emulsion, chopped fiber glass strands and Type A, #8 aggregate. The glass-reinforced surface treatment constitutes a resilient and waterproof membrane that alleviates the propagation of existing cracks, thus extending the service life of the pavement. Construction consists of the application of two asphalt emulsion layers and a fiber layer. This requires a special truck with three rows of spray nozzles. The first row of nozzles applies a layer of emulsion, the second row of nozzles applies fiber glass strands and the third row of nozzles applies another layer of emulsion. After the application of the emulsion-fiber-emulsion a layer of #8 aggregate is applied and then compacted with a pneumatic tired roller. Do not allow vehicular traffic on the newly completed surface until the material obtains adequate stability and adhesion and the material is sufficiently cured to prevent distortion, flushing of bituminous material to surface and loss of aggregate.



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Listed in PennDOT's Pub. 447, "Approved Products for Lower Volume Local Roads"

<ftp://ftp.dot.state.pa.us/public/PubsForms/Publications/PUB%20447.pdf>