

Pennsylvania Department of Transportation
Bureau of Municipal Services - Programs and Services
Bituminous Seal Coat w/#7 Aggregate
MS-0340-0005 Technical Sheet

Bituminous Seal Coat with #7 Aggregate was developed for areas with an abundance of Horse and Buggy traffic. In order for the horse shoes to hold up better on paved roads the Amish have their farriers place small knobs (Carbide Calks) in several places on the bottom of the horse's shoe. The damage caused by these calks includes scarring the surface, rutting and potholes. As the Amish community grows so will the damage to the pavement by their horses.

The #7 aggregate is larger than the aggregate normally associated with a Bituminous Seal Coat. The larger aggregate (#7 instead of #8) is intended to hold up better under the constant abuse by the horse's shoes. First is an application of bituminous material followed by an application of coarse aggregate. 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. If needed sweep the surface with a power broom to remove loose aggregate before and after opening the road to traffic.



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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>