

- tion. Shim or mill roads in poor condition.
2. Apply PG Asphalt. Air temperatures should be at least 50 degrees and rising. Do not apply PG asphalt in the rain, as it will not bond to the pavement.
  3. Install paving fabric over wet PG asphalt. Overlap the edges 1-3". Broom or roll to avoid air bubbles and large wrinkles.
  4. Apply an overlay or chip seal over pavement fabric.

## Conclusions

The following conclusions are based on the laboratory and field evaluations of the waterproofing effectiveness of a paving fabric interlayer system:

- ☞ Laboratory and field pavement cores indicate that a properly installed paving fabric interlayer system reduces the permeability of pavement. It reduces water infiltration and becomes an efficient moisture barrier and enhances pavement performance.
- ☞ Moisture levels beneath the pavement layers are lower with paving fabric. It maintains the strength of the subgrade, subbase, and base layers, and limit damage due to saturation.
- ☞ To provide a continuous moisture barrier, use sufficient PG Asphalt to saturate the paving fabric and bond the interlayer system. Lesser amounts of asphalt cement diminish the waterproofing effect. Evenly apply the PG Asphalt. Inspections and quality control are important.
- ☞ Consider using a paving fabric as a moisture barrier when drainage installation is not an option. ❖

### Sources:

Marienfeld, Mark, and Baker, Thomas, [Paving Fabric Interlayer As A Pavement Moisture Barrier](http://onlinepubs.trb.org/onlinepubs/circulars/ec006.html) <http://onlinepubs.trb.org/onlinepubs/circulars/ec006.html> June 1, 2006

Petromat Intallation Guide  
Trupave Engineered Paving Mat

*Thank you to All States Asphalt for their assistance with this article.*

## Mutual Aid Update

New Hampshire  
Public Works



Mutual Aid  
Program

May 2006 flooding affected all but one NH county. Some areas broke long-standing records with rainfall in excess of 13 inches. Mutual aid was enacted

by five municipalities and 12 responded. Towns that were helped in October 2005, reciprocated during this recent storm.

In addition to public works personnel and equipment, building inspectors were requested in Allenstown, Goffstown, and Hillsborough.

Currently, 94 municipalities are members of the New Hampshire Public Works Mutual Aid program. There are over 700 trucks, 50 graders, and 1,100 people available. To enact mutual aid, one may page a board member for assistance (376-4453), broadcast their need on [pw.net](http://pw.net), or contact municipalities themselves using the database maintained by the UNH T<sup>2</sup> and published on the web [www.t2.unh.edu/ma](http://www.t2.unh.edu/ma)

At the Mutual Aid orientation held May 25, 2006 during the Mountain of Demonstrations, people came as far away as Worcester County, Massachusetts to learn about the program. Massachusetts requires enabling legislation to begin a program. Other states have seen the benefit of NH's program and many are interested in adopting a program. ❖



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