



Utility Cut and Pothole Repair Using POLYGUARD'S NW-75

Help your freshly repaired utility cut and pothole stay in place and last longer by covering it with *Polyguard's NW-75*, self adhesive waterproof membrane!

Polyguard's NW-75 is a peel and stick waterproofing membrane, that when applied over your newly filled utility cut or pothole, forms a stable waterproof "roof", which prevents water from re-entering the repaired area and causing failure due to asphalt stripping. Also, when the temperatures fall below freezing, ice will not form at the base of the repair, which would normally cause the pothole mix to "pop out".

Installation Conditions: Temperatures must be 50 degrees F and rising. The pavement must be clean and dry for proper adhesion of the *NW-75*.

Installation Instructions: Clean out the distressed area, removing all loose debris. Fill the utility cut or pothole with your standard mix and compact the material to a very tight and competent mass. Insure that the filled area is slightly above the existing surface, to allow for continued compaction by vehicles. Also, the top surface of the mix should be as smooth as possible to facilitate a smooth ride. Make sure that you put enough mix in the pothole so that further compaction from traffic, will not create an indentation. The low spot would hold surface water and eventually fail the repair. Compaction with a rubber tired roller is common. A heavy truck tire is also useful when compacting the mix.

Sweep the area clean so no dust, dirt or debris is near the filled pothole, which could affect product adhesion. When possible, apply *Polyguard 650 RC Liquid Adhesive* to the pavement around the repaired pothole with a brush or roller. Allow to dry to the touch. Make sure that the *650 RC Liquid Adhesive* extends outward past where the *NW-75* will be installed. The *650 RC Liquid Adhesive* coats the existing surface and improves the bonding of the *NW-75*. Cut a piece of *NW-75* with a razor blade. The repair piece should be large enough to cover the repair and extend at least 6" beyond, onto a clean, competent surface. *NW-75* is sold in 12" to 48" wide rolls, in 12" increments, but experience has shown that the 48" wide roll is the one mostly used for this application. Begin removing the release film from leading edge of the cut piece. Apply the exposed adhesive side to the pavement next to the filled pothole. Continue to apply the *NW-75* onto the pothole surface, while releasing the protective film. If the repair is greater than 48" wide, simply overlap the *NW-75* to accommodate that need. If overlapping is required, overlap the material in such a way that the overlapped top edge is in the direction of traffic flow.

Roll the area with a rubber tire roller to insure a competent bond with the new mix and adjacent pavement. Keep in mind, that the warmer, dryer, cleaner the pavement, the better the bond.

Items to Consider: The top surface of *NW-75* is a nonwoven geotextile, which may lose surface friction when wet. One way to overcome this issue is to apply a topcoat of liquid asphalt and spread coarse sand over the surface. When the oil cools, then roll in the sand with a rubber tired roller. If you are repairing a large area which leads to an intersection where traffic must stop, this issue must be considered.

If the road you repaired is to receive an overlay sometime in the future, you can pave over the *NW-75* without issue.

X:/Lit/Highway/2011/Pothole Repair Using Polyguard NW75.doc R. 2-11-11