Perma-Patch®

Premium Asphalt Products

THE POTHOLE SOLUTION




PERMA-PATCH: an all season, all weather, permanent asphalt patching material used throughout the United States and internationally with extraordinary success. Easy to use, requires no mixing or special pothole preparation, displaces water and accepts traffic immediately.

Most durable for permanent repairs of potholes, manhole or water utility box covers. Perma-Patch bonds permanently to asphalt, concrete, steel, wood and other hard surfaces.

Available in easy to handle water-resistant bags, Perma-Patch can be stored for a minimum of two years.

To Order Call:
(800) 847-5744
Fax: (410) 764-7137

PERMA-PATCH, INC.
6123 Oakleaf Avenue
BALTIMORE, MARYLAND 21215 U.S.A.
www.permapatch.com

“Key Advantages to Customers Using”

PERMA-PATCH®

- Perma-Patch requires no mixing, tack coating or waiting time. Just pour it into the application area, spread out evenly and immediately open to traffic. Large or low traffic areas can be compacted using a hand tamper or a vibrating plate compactor.

- The Federal Government rated Perma-Patch the No. 1 most durable cold applied repair material in North America in its 18-month and 4.65 year SHRP study. Perma-Patch repairs had the lowest failure rate by 45-70% over its closest competitors.

- Perma-Patch does not shrink and because of its self-sealing properties maintains excellent watertight bond to adjoining pavement unlike standard cold and hot patches, which invariably separate from the surrounding surface.

- Perma-Patch requires very little preparation and can be placed in water-filled holes.

- Perma-Patch can be applied in a temperature range between 0°F to over 100°F in any weather condition, including rain.

- Perma-Patch can be applied as thin as one stone thickness because of its excellent bonding strength. It easily fills depressions and utility cuts.

- Perma-Patch, when properly applied, will outlast the surrounding pavement.

- Perma-Patch comes in a convenient 60 lb. water resistant bag, which maintains a minimum shelf life of two years.

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Perma-Patch®

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Asphalt Products

Fast and Easy **Use in Any Weather**

•Parking Lots •Roads •Bridges •Utilities

Just pour it in... It's Done!

•Permanent Repair
Surface hardens to maintain a tight closure. Prevents water seepage.

•Saves Money
No equipment needed.
No repeat labor.

•Saves Time
No mixing. No preparation of the hole.

•Easy to Use
Just pour it in... it's done!

•Use in Any Weather
Can be applied to wet pavement or water filled potholes. Use in temperatures of -15 F to 100 F

•Pressure Sensitive
Cures faster with greater volumes of traffic

•No Waiting Time
No curing time needed after compaction. No closed roads or traffic tie-ups.
Just pour and drive on.

•Bonds
Bonds to steel, stone, wood, asphalt and concrete but does not stick to rubber tires.

•Long Shelf Life
In excess of two years.

Perma-Patch, Inc.
A Subsidiary of the National Paving & Contracting Co.
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National Research Council Strategic Highway Research Project Finds Perma-Patch® Best In Durability *

**"The most important indicator of performance for the repairs placed during the project is the percent surviving." (SHRP-H-353)*

"Materials And Procedures For The Repair Of Potholes In Asphalt-Surfaced Pavements"

Perma-Patch®, a permanent cold patch for instant repair of potholes, is a material that was used in the extensive tests and reports undertaken in Project H-106, "Innovative Materials Development and Testing".

October 1993

In an important decision; necessitated because of the need to repair roads economically, rather than completely rebuilding them; the Federal Department of Transportation obtained five million dollars from Congress on the advice of the National Research Council, to study the best materials and equipment for repairing potholes. This resulted in publication of SHRP-H-348 (Strategic Highway Research Project) under the auspices of the National Academy of Sciences, United States Government, and the American Association of State Highway and Transportation Officials, known as project H105 and H106.

Excerpts from Strategic Highway Research Program SHRP-H-348 of the National Research Council

In project H-105, "Innovative Materials and Equipment for Pavement Surface Repair", the researchers conducted a massive literature review and a nationwide survey of highway agencies to identify potentially cost-effective repair and treatment options. The information and findings from this study were then used in the subsequent field experiments conducted under project H-106, "Innovative Materials Development and Testing".

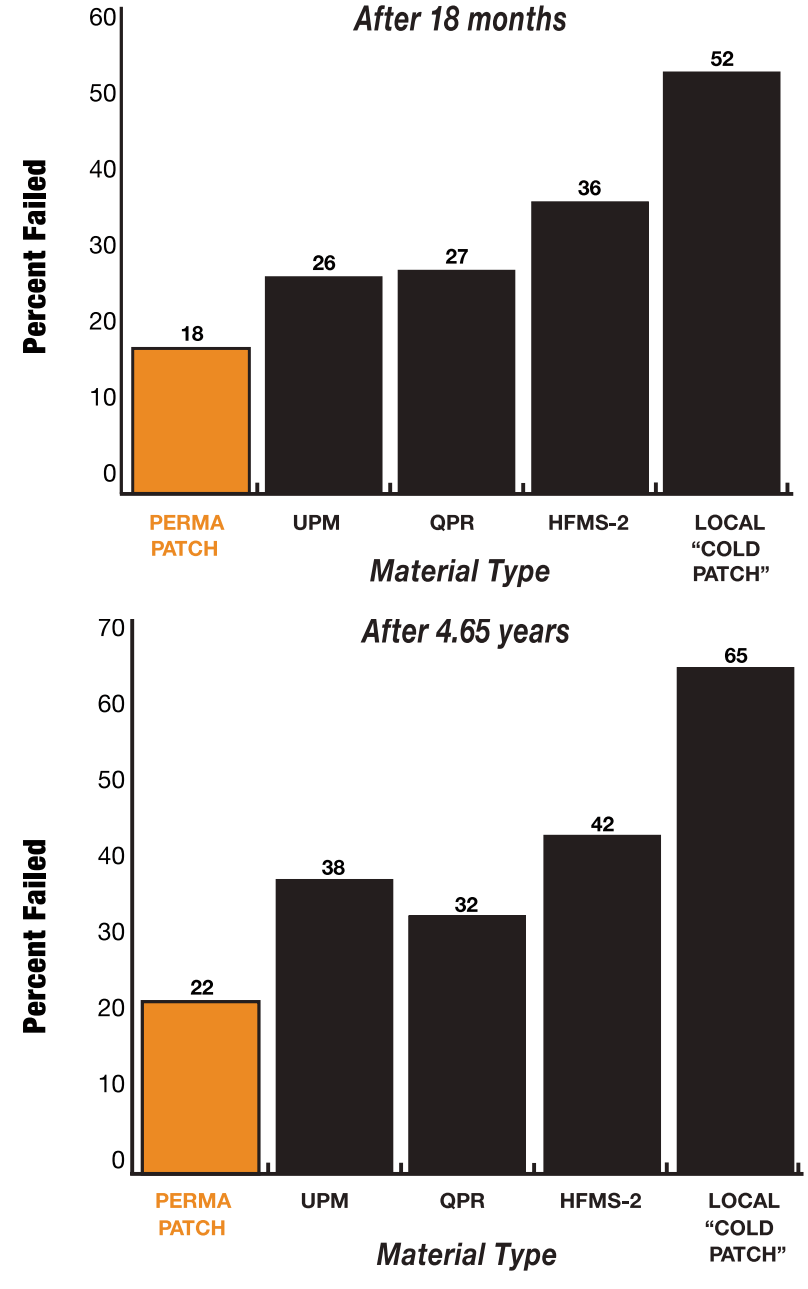
In the H-106 project, the installation and evaluation of many different test sections were conducted to determine the cost-effectiveness of maintenance materials and procedures. Test sections were installed at 22 sites throughout the United States and Canada between March, 1991 and February, 1992, under the supervision of SHRP representatives. The researchers collected installation and productivity information at each site and periodically evaluated the experimental repairs and treatments for 18 months following installation.

As asphalt pavements age and deteriorate, the need for corrective measures to restore safety and rideability increases. Funding for rehabilitation and overlay of these pavements is not likely to keep up with the demand, requiring more agencies to use the most cost-effective methods when patching distressed areas. The patches will also be expected to survive longer and carry more traffic loadings.

The cost most commonly associated with pothole patching is the cost of purchasing material. This is usually one of the least significant contributors to the overall cost of a patching operation. However, the material used for patching does impact the cost of the overall operation when there are differences in performance. More expensive materials that are placed with less effort and last longer can reduce the cost of the initial patching effort, as well as the amount of repatching needed. This reduces the labor and equipment costs for the overall operation.

Further information is available from Perma-Patch, Inc.
6115 Oakleaf Avenue, Baltimore, Maryland 21215, phone: 1-800-847-5744 fax: 410-764-7137
www.permapatch.com – Attention: Robert Storrs, General Manager

SHRP shows Perma-Patch® with Lowest Failure Rate among commercially available material types tested



FAILURE RATE OF COMMONLY USED POTHOLE PATCH MATERIAL

The chart shows Perma-Patch® to have the superior durability of all the innovative materials tested.