

**ROAD AND HIGHWAY REPAIR
OVER 3000 PSI IN THREE HOURS
ECONOMICAL**

PAVEQUICK HR

**FAST SETTING; HIGH EARLY STRENGTH
OVER 8200 PSI IN 7 DAYS
FULL DEPTH ROAD REPAIRS
READY FOR SERVICE IN THREE HOURS**

PRODUCT DESCRIPTION

PaveQuick HR is a one-component, polymer modified, fiber-reinforced, quick setting concrete repair material developed to provide a very strong and durable patch. **PaveQuick HR** uses a unique blend of materials which provides a high early strength and fast setting, durable repair with slight expansion to help reduce water seepage. **PaveQuick HR** also contains a corrosion inhibitor.

PRODUCT APPLICATIONS

PaveQuick HR is a fast setting trowel grade repair material for horizontal applications in vertical application if formed and poured. **PaveQuick HR** is an excellent repair material for expressways, roads, ramps, bridges, streets, parking lots and concrete floor slabs. **PaveQuick HR** is suitable for highway and road repair. **PaveQuick HR** performance specifications meet or exceed most DOT criteria, especially where return to service is critical.

PRODUCT APPLICATIONS

- Exceeds ASTM C-928 and ASHTO T260 Requirements
- Over 3000 PSI in 3 Hours
- Apply from 1/2" to Full Depth
- Outstanding Wearing Surface
- Expands Slightly, Providing Tight Fit with Surrounding Concrete
- Withstands Freeze-Thaw and Salt Applications
- Works as Low as 32°F
- Fiber-Reinforced for added Flexural Strength

PRODUCT TEST RESULTS (Typical)

Working Times: 10 Minutes

Color: Gray

Result based on 5 pints of water

COMPRESSIVE STRENGTH

(ASTM C-109; Air Cured)

<u>3 Hours</u>	<u>1 Day</u>	<u>7 Days</u>	<u>28 Days</u>
3150 PSI	6105 PSI	8200 PSI	9630 PSI

SET TIME @ 70°F

(ASTM C-266)

<u>Initial Set</u>	<u>Final Set</u>
40 Min	45 Min

FLEXURAL STRENGTH

(ASTM 348: Air Cured)

<u>7 Days</u>	<u>28 Days</u>
750 PSI	1150 PSI

BOND STRENGTH

(ASTM C-882 Modified)

7 Days
2550 PSI

FREEZE-THAW RESISTANCE

(ASTM C-666)

Procedure A (300 cycles) 99% Durability Factor

PRODUCT APPLICATIONS

For partial depth repair make a half (1/2) inch minimum vertical saw cut around perimeter of area to be repaired. Chip out area to repair to saw cut edge. Be careful not to fracture surrounding concrete. For full depth repairs use **PAVEQUICK HR**. Any preexisting structural steel will need to be replaced. Any corrosion present must be removed and sealed to prevent further contamination. All surfaces must be clean and structurally sound, free of dust, grease, oil, paint, sealers, etc., and in a saturated-surface-damp (SSD) condition with no standing water on the surface.

MIXING INSTRUCTIONS

PAVEQUICK HR may be mixed in a drum type mortar mixer. Or using a low speed drill or paddle type mortar mixer. Use 4.75—5.25 pints (depending on desired consistency) of clean water per 50 lb. bag. Place water in the mixer first and add **PAVEQUICK HR** powder **slowly** while mixing. Be sure to allow mixer 2-3 minutes to properly mix product before placing. **Do not mix** more material than can be mixed and placed in ten (10) minutes. Rinse out mixer between batches.

APPLICATION INSTRUCTIONS

In partial depth road repairs, it is a good practice to use an acrylic surface bonding agent. Be sure to apply **PaveQuick HR** while the bonding agent is still tacky (not dry). **Do not use PVA** bonding agents with **PaveQuick HR**.

Do not use an application of less than a half (1/2) inch. For deep applications, clean, 3/8' pre-dampened aggregate can be used to extend at a rate of up to 60% by weight and mixed for two more minutes. This extension adds approximately 0.18 cu-ft to the yield and should be placed within 15-20 min.

CONTAINS PORTLAND CEMENT. Avoid eye contact or prolonged contact with Shin. Wash thoroughly after handling. In case of eye contact flush with plenty of water for at least 15 minutes. Consult a physician immediately. Keep out of the reach of children.

CONTAINS SILICA SAND AND FREE SILICA. Do not breathe dust. Avoid inhalation by wearing respirator. Continuous exposure and inhalation may cause silicosis and crystalline silica is classified as a known human carcinogen.

Place **PaveQuick HR** firmly into area to be patched, trowel or screed to proper level, and finish with trowel or broom for desired finish. Be sure to perform these operations quickly before **PaveQuick HR** is set. Release to traffic an hour (1 hour) after **PaveQuick HR** has set.

CURING

After finishing, follow proper concrete curing procedures. In adverse weather conditions, follow ACI recommended procedures for hot/cold weather. **PaveQuick HR** is self-curing under normal conditions. An ASTM C-309 compliant, water based curing compound may be used under extremely dry conditions. Never add additional water to the surface when finishing **PaveQuick HR**.

PRECAUTIONS

Never use in applications or less than a half (1/2) inch. Always allow **PaveQuick HR** to cure one hour after material has set before allowing traffic to resume over repaired area. Never use additives or PVA bonding agents with this product. Do not retemper after initial mixing. Do not allow **PaveQuick HR** to freeze before it has set.

COVERAGE

One 50 lb. bag of **PaveQuick HR** will yield 0.42 cu. ft. and will cover 20 sq. ft. at a 1/4 inch thickness. Do not add additional water.

SHIELD LIFE

One year in original, unopened package when stored in cool, dry conditions. Exposure to humid conditions will reduce shelf life.

PACKAGING

PaveQuick HR is packaged in 50lb bags with moisture resistant lining, 60 bags per pallet. Also available in 3,000 lb Super Sacks.

LIMITED WARRANTY

Lyons Manufacturing Inc. warrants the high quality of its products. However, because of many factors beyond our control in its use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price of replacement of this material used. Lyons Manufacturing, Inc. will replace any product proven to have a manufacturing defect, FOB Factory, provided Lyons Manufacturing, Inc. is notified of such defect within six (6) months from the date of shipment from the factory. This warranty is in lieu of all other warranties, expressed or implied. Lyons Manufacturing, Inc. makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purpose. Under no circumstances will Lyons Manufacturing, Inc. be liable for economic, special, incidental, or consequential damages or losses of any kind.

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