

HI-TECH Systems

"HT-ARR"

Asphalt Road Repair

Product Description:

HT-ARR is a rapid set, high strength low viscosity Polyurea repair material for asphalt roads. This two part, 1:1 system is 100% solids, pigmented to match asphalt, and designed for making quick asphalt road repairs. HT-ARR has an extended pot life for large repair jobs which require adequate working time.

Advantages:

- ✓ Cures from -20° F to 130° F.
- ✓ "Drive-Over" in 10 to 15 minutes
- ✓ Produces High Strength Quickly
- ✓ Self-leveling
- ✓ Self Priming
- ✓ Ease of Use
- ✓ Fast initial set; rapid gain to ultimate strengths.

Application Recommendations:

Clean the area of debris and contaminants that would act to de-bond HT-ARR; oils, loose materials, dirt, rubber etc. Expose clean rough asphalt for best results. A vertical edge is helpful of approximately ½" deep, around perimeter of area to be repaired but is not absolutely necessary. Make sure the area is dry.

Mix "B" Side First: Use a Jiffy Mixer for 1 – 2 minutes in bulk containers, or vigorously shake the gallon container 30 – 40 seconds. Then, mix equal amounts of part A and part B in a 5 gallon bucket for 30 seconds. Add dry silica sand to thicken the product, (pea gravel is acceptable for deep repairs). Pour mixture into the area to be repaired and use a squeegee to trowel smooth. While curing, broadcast sand over the top for a non-skid surface. Sweep up any excess sand.

HT-ARR is slightly moisture sensitive and should not be applied to very wet surfaces while curing.

Shelf Life: 1 year in original unopened container.

Storage Conditions: Do not store above 85°F or in direct sunlight.

Pot Life: C-881 77° - 100 Grams
Approx. 6 minutes average

Physical Properties:

| | |
|-----------------------------------|-------------|
| Viscosity (Mixed) | 300 cps |
| Hardness, durometer (ASTM D2240) | 65 to 70D |
| Tensile Strength, PSI (ASTM D412) | 4300 |
| Tear Strength (ASTM D624) | -lb/mil 475 |
| Elongation % (ASTM D412) | 8% to 10% |
| Compressive Strength (neat) | 3500 psi |
| (ASTM C109) (with sand) | 4600 psi |
| Bond Strength (ASTM 882-99) | 3300 |

Available In:

2 Gallon Kits
5 Gallon Pail with Sand Mix & Topping Sand
10 Gallon Kits
110 Gallon Kits

Chemical Resistance:

Test Procedure; ASTM D-1308 @72°F
R=Recommend
RC=Recommend Conditional =some swelling or discoloration
N=Not Recommend
1=Some discoloration only

| <u>Chemical</u> | <u>Result</u> |
|-------------------------------|---------------|
| Acetic Acid 10 % | R |
| Acetone | RC |
| Battery Acid (Sulfuric Acid) | RC |
| Brake fluid | R |
| Chlorine (2,000 ppm in water) | R |
| Citric Acid | R |
| Gasoline | R |
| Hydraulic Oil | R-1 |
| Methanol (5%) Gasoline | RC |
| Motor Oil | R-1 |
| Toluene | RC |
| Vinegar | R |
| Water | R |
| Xylene | R |

Safety:

MSDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and understand product Material Safety Data Sheets. Long sleeve overalls or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of the reach of children.

Disposal And Clean Up:

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

Warranty:

HI-TECH warrants its products to be free of manufacturing defects and that they will meet HI-TECH's current published physical properties when applied in accordance with HI-TECH's directions and tested in accordance with ASTM and HI-TECH's standards. There are no other warranties by HI-TECH of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HI-TECH Corporation shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause whatsoever.