

duraPATCH™

duraPATCH is a high performance cold patch that is easy to handle, stays where placed, and is highly cost competitive.

A specially designed liquid asphalt formula, combined with a high quality aggregate structure, provides for an engineered cold patch material that is superior in durability for long lasting service. *duraPATCH*'s unique asphalt formula achieves superior coating and adhesion properties allowing for the application in wet or dry conditions. The *duraPATCH* asphalt formulation is tested to ASTM Standards to maintain the qualities needed for optimal performance. Finally, a high performance patch material that enables maintenance crews to provide a "one-time" only application!

duraPATCH is formulated to provide workability during cold winter months, and is tough enough to withstand the stress and strain of traffic abuse. *duraPATCH* is available in bulk quantities in many locations or shipped to you pre-bagged (50 lbs) & palletted for convenience. This allows for easy & clean handling, transportation, application & storage inside or out.

duraPATCH Benefits

- Specially formulated to remain workable during cold winter months and stable during hot summer days.
- Available in bulk or pre-bagged & palletted for convenient handling, transportation, application & storage inside or out.
- Cost-effective, versatile & durable cold patch material for pothole patching, cross trench repair, utility installations and roadway drainage installations.
- Can be applied in all weather conditions.
- A High Performance patch material that stays where placed.

duraPATCH Uses

duraPATCH mixes allow for easy patching of potholes or repair of any pavement & concrete surface. The ability of the *duraPATCH* formula to self-heal with expansion and contraction movements from freeze-thaw cycles makes it an ideal cold weather patch material. *duraPATCH* can easily be handled or moved by hand or with equipment.

Prior to maintenance patching activities *duraPATCH* can be placed inside for ease of application during winter months. When applying *duraPATCH*, potholes should be cleaned and relatively dry before filling. *duraPATCH* should be applied to surfaces that are prepared with any loose debris cleaned out of the hole or trench, and relatively dry if possible. Compact in 2 inch lifts until flush with or slightly above the existing surface. If compaction is not feasible, over fill the hole or trench being repaired, as traffic will compact the material. *duraPATCH* is not just patch filler, it's Pavement Repair.



Specifications

*dura*PATCH - High Performance Cold Patch

This bituminous patching mix shall consist of an asphalt and aggregate mixture which will provide satisfactory adhesive, cohesive, and workability characteristics. This patching mixture can be stockpiled year-around and can be applied under all weather conditions. It can be applied to both asphalt and concrete surfaces as well as exposed wood or steel without the necessity of any additional tack coat or primers. The liquid asphalt and aggregate utilized shall meet the following specifications.

Liquid Asphalt

The liquid asphalt shall be *dura*PATCH LA from Tri-Products, LLC which meets the following requirements:

Kinematic Viscosity @ 140° F, cSt (ASTM D-2170)	350-3000
Flash Point, (ASTM D-1310), TOC	200°F min.
Distillation Test, (ASTM D-402)	
437° F (% by volume of original sample)	0
500° F (% by volume of original sample)	0-5
600° F (% by volume of original sample)	0-25
Total % Residue from Distillation @ 680° F	70-95

Tests on Residue:

Absolute Viscosity @ 140°F, poises (ASTM D-2171)	120-440
Penetration, (ASTM D-5)	200 min.
Ductility @ 39° F, (ASTM D-113)	90 min.

Aggregate

The aggregate shall be crushed stone meeting the following gradation:

Sieve Size	Percentage Passing
1/2"	100
3/8"	90-100
#4	20-55
#8	0-25
#50	0-5
#200	0-2

Mixture

The mixture shall consist of an approved aggregate and *dura*PATCH LA, manufactured in a pugmill or a batch type HMA plant at a temperature not to exceed 170° F, with an asphalt content (ASTM D-2172) between 5.0 and 6.5 percent. The patch material shall have a minimum of 95% coating.

Call us for more information

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***dura*PATCH™**
Tri-Products