

Green Asphalt Cold Patch

GreenPatch® is environmentally friendly cold asphalt that is a direct replacement for traditional cold patch in repairing asphalt pavements. This revolutionary breakthrough in the cold asphalt industry contains no petroleum based softeners such as diesel, toluene, kerosene, and naphthalene found in conventional cold asphalt that pose serious threats to human health and the environment. This is all achieved without sacrificing quality or increasing cost which makes it a direct replacement to the conventional cold asphalt that is being used on our roads today. GreenPatch's lack of petroleum based solvents or cutbacks make it a VOC compliant material in all fifty states. And unlike cold patch, it works! Properly installed, it is a high performance, permanent repair.

GreenPatch® is also affordable and is competitively priced with traditional products. GreenPatch® is available in different forms to meet your needs. Whether you are repairing part of your driveway or part of a highway we can help. Once you experience the many benefits of this high performance, cost-effective cold mix asphalt, you'll understand why utility companies, road repair contractors, public works departments and homeowners are all switching to GreenPatch®-- the first truly environmentally safe cold asphalt mix.

GreenPatch® was developed by Cold Mix Manufacturing (CMM), established in February of 2007 by a partnership of asphalt industry leaders in the New York City area. Its mission was to produce a competitive and cost-effective asphalt repair product while driving a dedicated research and development campaign towards innovation in high-performance materials. With the subsequent expansion of "Green" industry initiatives plus rising pressures from government, health and environmental agencies about the many hazards of conventional cold patch, CMM recognized a need to limit the environmental impact of the industry. By concentrating on the reduction of VOC levels (Volatile Organic Compounds) it developed a way to replace the petroleum based ingredients with all-natural substrates. This research resulted in the first eco-friendly asphalt patch - GreenPatch®.

The results have been nothing short of revolutionary. CMM and GreenPatch® are praised by the media, environmental groups, and legislators for developing this 'responsible solution'. State agencies, municipalities, major utility and road construction companies, and home owners have now welcomed GreenPatch® as the preferred asphalt repair material. GreenPatch® is approved by the New York State Department of Transportation and is currently being used by cities, towns, villages, universities, utility companies, farms, and marinas across the country. We can all do our part to reduce the harmful effects we impose on the environment. This is one instance in which a cost effective, high quality, environmentally friendly product is available to replace a hazardous one.

Cold Mix Manufacturing has established its industry presence and business community support with such trade organizations as NAPA (National Asphalt Pavement Association) and APWA (American Public Works Association). CMM is also a member of the US Green Building Council (USGBC), the National Green Energy Council, and the International Green Energy Council. GreenPatch® has earned the first product endorsement awarded by the National Green Energy Council (NGEC).

Cold Mix Manufacturing is dedicated to providing quality products that are environmentally friendly. This commitment is demonstrated by its use of recycled asphalt which reduces its need for stone and sand mining. Mining can result in unnaturally high concentrations of chemicals such as arsenic and sulfuric acid over a significant area. Large amounts of water produced from mine drainage, mine cooling, aqueous extraction and other mining processes increases the potential for these chemicals to contaminate ground and surface water.

*GreenPatch®- the Recyclable Recycled asphalt repair product:

- GreenPatch® uses 40% recycled asphalt
- GreenPatch® can be ripped up, recycled, and reused.
- GreenPatch® bags are 100% recyclable
- GreenPatch® is manufactured at a very low temperature, which reduces fossil fuel consumption by 70%
- GreenPatch® is an preferable purchase and is the first product to be endorsed by the Green Energy Council™.

Green Asphalt Cold Patch

Ready to Use, Easy to Apply, All Weather and Affordable



GreenPatch® comes out of the bag- ready to use.



Our eco-friendly cold patch lays down smooth and easy.



Outperforms cold mix products in all weather conditions.



Costs 10-20% less than traditional non-sustainable products.

GREENPATCH APPLICATION DEMO



1 Sweep any loose debris from area to be repaired.



2 Pour GreenPatch directly from the bag into the hole. There are no additional steps or materials needed.



3 Add GreenPatch up to a 2" depth and compact to create a solid base. Reapply in 2" increments until repair area is filled. Leave a small "crown" to allow for further compaction. You may open to traffic immediately.

ENVIRONMENTAL BENEFITS OF GREENPATCH

- **Contains ZERO VOCs (Volatile Organic Compounds)-** up to 640 F when tested using the ASTM D402 method (AASHTO T78). **Contains NO Petroleum Derivative Cutbacks-** A 100% decrease over conventional Cold Mix Asphalt which contains dangerous amounts of the carcinogens benzene, kerosene, diesel, toluene or naphthalene.
- **Biodegradable Solvents-** Our solvents are derived from natural, biodegradable products that come from a sustainable source
- **Use of Recycled Materials-** An increase of 40-60% in the use of Recycled Asphalt Product (RAP)
 - Part of what makes **GREENPATCH** a sustainable solution is our commitment to using Recycled Asphalt Product . By reducing the use of virgin aggregates, we are minimizing the hazardous carbon footprint from the mining process- which also reflects on overall production costs.
 - GreenPatch uses state of the art recycling equipment such as **SCREENERS** in our manufacturing plants to create RAP by crushing old asphalt material and millings from roads and city streets. The screener separates and restores reusable aggregates to be processed and regraded into new asphalt.
- **Recyclability-** GreenPatch can be easily recycled just like normal Hot Mix Asphalt
- **Eco Friendly Packaging-** All of our bags are recyclable
- **Energy Conservation in Manufacturing-** Approximately a 70% decrease in fossil fuel consumption due to lower manufacturing temperatures
- **Resource Conservation in Manufacturing-** 40 – 60% decrease in the need from mining of virgin aggregates
- **Employee Safety-** Proper handling of GreenPatch is not hazardous to human health
- **Animal Safety-**The use of GreenPatch poses no threat to wildlife, marine life or domestic animals
- **Green purchasing-** Final product is considered an Environmentally Preferable Purchase
- **GreenPatch** is the First Product to be Endorsed by The National Green Energy Council™