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GREENPATCH® - Cold Mix Asphalt

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GREENPATCH® - COLD MIX ASPHALT

THE NEED

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) they 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.

THE TECHNOLOGY

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.

THE BENEFITS

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).

- 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™



STATUS

GreenPatch is widely used in pavement maintenance across the United States.

POINTS OF CONTACT

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REFERENCES

1. <http://www.greenpatch.com/>
2. http://www.greenpatch.com/GP_media_publish.html

REVIEWERS

Peer reviewed as an emerging construction technology

DISCLAIMER

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