

EVERYTHING ASPHALT

Spray Patch



"A long-term study that began under the Strategic Highway Research Program, and continued under FHWA's Long-term Pavement Preservation program, found that for patching potholes, quality of materials is more important than method or machine. The use of quality, even premium, materials is the utmost variable in effective pothole patching."

FHWA, *Pavement Preservation Compendium II2*



Effective Pavement Maintenance

Spray Patching is a very effective pavement maintenance treatment. Asphalt emulsion, aggregate and high volume air allow an operator to clean, tack and patch potholes quickly and easily. Special machines manufactured for this purpose use high volume air to blow out loose debris followed by asphalt emulsion tack. The aggregate and emulsion is then blended as it is sprayed into the pothole. If potholes are not properly repaired, they serve as a direct entry for water into the pavement structure. This moisture can strip asphalt binder off of the aggregates, destabilizing the mix. If left untreated, the water will wash away the underlying base structure, destroying the load bearing capabilities and requiring expensive total reconstruction.

Martin Asphalt Product for Spray Patches

CRS-2	General purpose cationic rapid setting emulsion
CRS-2h	Cationic rapid setting emulsion with a harder base asphalt for hot weather use
CRS-1hP	High performance polymer modified cationic emulsion with low viscosity and a hard base asphalt, designed for use on higher volume roads in hot weather
CRS-1P	High performance polymer modified cationic emulsion specially formulated to break quickly and provide good performance in cold weather applications
RS-2	General purpose anionic rapid setting emulsion

Spray Patching Benefits

- Repairing the potholes prevents water from entering the base and further weakening the pavement structure.
- Unrepaired potholes are a safety hazard for motorists, and they result in high vehicle operating costs.
- The spray equipment allows thorough cleaning of the pothole, essential to effectively bonded repairs.
- The rapid setting water-based emulsions adhere to damp surfaces, firmly binding the aggregate and bonding the patch to the pavement.

Martin Asphalt Makes It Easy

There are a variety of treatments available for effectively keeping "good pavements good". Choosing the right treatment can make the best use of funds and give taxpayers smooth and safe roads while avoiding costly reconstruction and extended road closures. Through Martin Asphalt, you get **Everything Asphalt**—a full range of products for constructing, maintaining, repairing and reconstructing your pavements. In addition, you receive technical assistance in selecting the right materials and application. The company's AASHTO Certified Laboratory makes sure the products meet your specifications. And your products are delivered both on spec and on time via Martin's Gulf Coast network of production plants, storage facilities and transportation fleet including ocean-going and inland barges, rail cars and tanker trucks.

Contact us for help in selecting the right materials for your projects.

www.MartinAsphalt.com

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