

SAMIscreed

Asphalt Repairs



SAMIscreed is a hot-applied, flexible repair mastic for asphalt pavement defects. It is a highly-modified asphalt binder that is premixed with small aggregate, graded filler, steel fibers and recycled tire rubber. The factory-blended mixture provides more structural integrity than traditional hot-pour crack sealers.

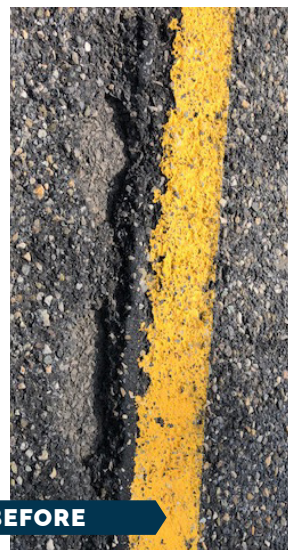
Due to its flexibility, it is less likely to crack under the stress of freeze-thaw cycles than HMA repairs and cold mixes. SAMIscreed is a one-part, screed-applied system, suitable for all types of bituminous applications including surfacing. Its skid resistance is designed to meet or exceed the surrounding surface.

SAMIscreed applications include cracks larger than 1.5" wide, joint reflection where the width varies from cracking to spalling, pavement delamination where mobilizing a paving crew is too expensive, highway shoulder joint separation, transition joints, potholes and rumble strip remediation. With no application temperature restrictions, SAMIscreed can be used throughout the winter to keep roads in good condition.

PERFORMANCE CHARACTERISTICS

Providing exceptional resistance to wear combined with inherent flexibility, SAMIscreed offers:

- Application throughout the year subject only to minimum temperatures and dry surface conditions
- Rapid curing for traffic reopen as soon as 30 minutes after application
- Effective sealing properties to stop ingress of water
- Flexible, enduring, skid-resistant finish; high-friction grades available
- Cost effective - extends service life of asphalt and reduces maintenance expenses
- Less preparation and small installation crews compared to traditional repair methods



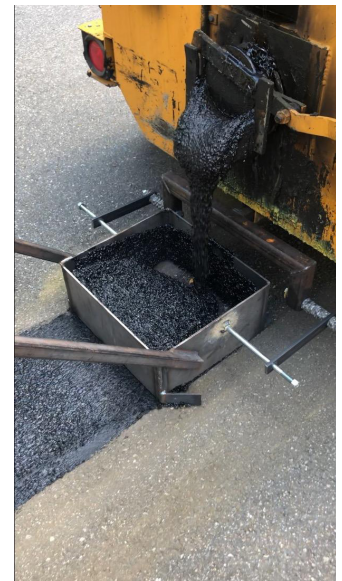
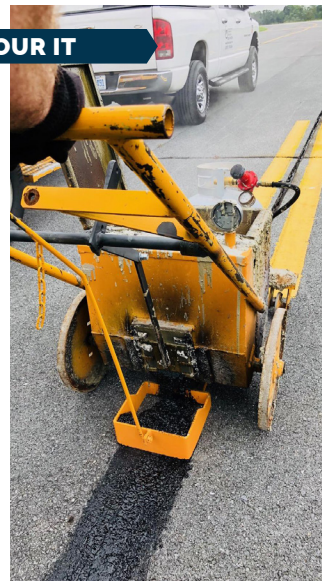
SAMISCREED APPLICATION

- Repair surfaces must be cleaned and dried with a hot air lance. Remove all loose debris. If preferred, a jack hammer or milling machine can be used to clean and prepare the repair area.
- Heat SAMIscreed in a thermostatically controlled, purpose-built mixer, with a horizontal agitator that ensures complete mixing. Once the material reaches 370 to 400 °F (189 to 204 °C), pour molten Samiscreed into the prepared area, sealing the bottom of the repair from water intrusion.
- For repairs deeper than 1" with widths exceeding 4", add a layering course of bulking stone at a rate of 25% - 55% by volume with the molten Samiscreed to reach 3/4" below the top of the repair.
- Pour molten SAMIscreed into the final 3/4" of the repair, and screed to a level grade.
- When using as a wide crack filler (1 to 4"), use a screed box to deliver the molten material to the repair area. Use multiple passes as necessary to ensure that the molten material is level with the existing surface. Scrape edges for a good riding surface and aesthetically pleasing repair.
- Depending on the depth of the repair, SAMIscreed will be ready for traffic return between 30 and 60 minutes.

PREP IT



POUR IT



OPEN IT



PHYSICAL PROPERTIES - ASTM D8260

Mastic Resilience	50% minimum
Effects of Rapid Deformation	No cracking, chipping, or separation, 8 N-m, -7 °C
Crack Bridging	3 cycles, -7 °C
Mastic Stability	40.0 mm max @ 70°C
Specific Gravity	1.7 - 2.0



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