

CRACKMASTER MASTIC GRAY

SMT-291

REVISED 03/29/21

PRODUCT DESCRIPTION

CrackMaster Mastic Gray is a hot-applied, synthetic polymer-modified resin compound containing mineral fillers, chopped fibers, and graded aggregates. It is designed to replace traditional cementitious pavement repairs, which are prone to failure due to their stiffness. CrackMaster Mastic Gray meets all requirements of ASTM D8260-20.

- Load transferring repair with superior tensile strength and flexibility.
- Accommodates limited joint/crack movement due to thermal expansion and contraction, and vibratory movements.
- Resistant to water intrusion and broad range of salts, bases and organic materials.
- Long term repair solution for concrete structures.
- Cures at low temperatures.

RECOMMENDED USES

CrackMaster Mastic Gray is a flexible repair for joints, large cracks, spalls, and pot holes in asphalt and concrete.

PERFORMANCE CHARACTERISTICS

| Table 1 - Physical Properties Of CrackMaster Mastic Gray | | |
|--|-------------------------------------|--|
| ASTM | Test Description | Result |
| | Color | Gray |
| D8260 | Mastic Resilience | 50% Minimum |
| D8260 | Effects of Rapid Deformation | No cracking, chipping, or separation, 8 N-m, -7 °C |
| D8260 | Crack Bridging | 3 cycles, -7 °C |
| D8260 | Mastic Stability | 40.0 mm maximum @ 70°C |
| | Recommended Application Temperature | 300 – 380 °F |
| | Specific Gravity | 1.8 – 2.0 |

SURFACE PREPARATIONS

The joint or crack shall be milled with an approved milling machine to the specified width and depth. The pot hole or spall shall be milled, saw cut and jack hammered, or cored and jack hammered to remove the defective areas. The repair surfaces are cleaned and dried with a hot air lance. The recessed area and vertical walls are treated with a primer agent to promote adhesion and prevent moisture intrusion (for concrete applications only).

APPLICATION PROCEDURES

Application of the CrackMaster Mastic Gray material shall be by factory trained and certified installation professionals.

CrackMaster Mastic Gray material is heated in a thermostatically controlled, purpose-built mixer, having a horizontal agitator that ensures complete mixing. Once the material reaches approximately 300 to 320 °F (149 to 160 °C), pour molten CrackMaster Mastic Gray into the prepared area, sealing the bottom of the repair from water intrusion.

If the depth of the repair exceeds one inch, the remainder of the repair process will consist of layering coarse, hot angular aggregate (cleaned and dried) at a rate of 25% - 55% by volume with the molten CrackMaster Mastic Gray until within 3/4" of the top of the repair. The bulking aggregate must be worked into the patch completely. Depth limitations are 3/4" to full depth. NO DRY LAYERS OF BULKING AGGREGATE WILL BE ALLOWED.

The final 3/4" of the repair will be CrackMaster Mastic Gray material for optimum flexibility of the repair. Once the top layer has been screeded to a level grade, a high PSV aggregate will be applied to the top of the repair to ensure proper skid resistance. Depending on the depth of the repair, CrackMaster Mastic Gray will be ready for traffic return between 30 and 60 minutes.

All removed materials and residual repair materials will be recovered and disposed of away from the site according to the client's specifications. All Federal, State and OSHA safety requirements must be followed during installation.

CAUTIONS

See SDS for complete safety precautions prior to use. Use HSE-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. For professional use only.

PACKAGING AND AVAILABILITY

CrackMaster Mastic Gray is available in a 50 pound meltable bag. CrackMaster Mastic Gray is supported by a national network of SealMaster manufacturing facilities along with a national network of qualified applicators.

LIMITATIONS / SHELF LIFE

Two (2) years when stored in a dry place in original, closed packaging. Optimal storage temperature: 60 to 70 °F (15 to 20 °C).

WARRANTY AND DISCLAIMER

The statements made on this technical data sheet are believed to be true and accurate and are intended

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to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.

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