

CRACKMASTER MASTIC BLACK

SMT-290

REVISED 03/29/21

PRODUCT DESCRIPTION

CrackMaster Mastic Black is a hot-applied, polymer-modified mastic asphalt binder; factory-blended with graded fillers, steel fibers, granite aggregates and recycled tire rubber. It is designed to replace traditional hot pour crack sealants which lack structural strength and other more rigid patches like cold patch or hot mix that are prone to failure due to their stiffness or poor quality. CrackMaster Mastic Black meets all requirements of ASTM D8260-20 hot-applied asphalt aggregate-filled mastic.

- Load transferring repair with superior tensile strength and flexibility.
- Accommodates limited joint/crack movement due to thermal expansion and contraction, and vibratory movements.
- Flexible, enduring, skid-resistant finish.
- Resistant to water intrusion and broad range of salts, bases and organic materials.
- Year round application with no temperature limitations.
- Extends the service life of asphalt.
- Rapid cure allows repairs to be open to traffic within 30 minutes.

RECOMMENDED USES

CrackMaster Mastic Black is a flexible asphalt mastic repair for cold joints, overlaid joints, large cracks, spalls, and pot holes in asphalt.

PERFORMANCE CHARACTERISTICS

Table 1 - Physical Properties Of CrackMaster Mastic Black		
ASTM	Test Description	Result
	Color	Black
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	370 – 400 °F
	Specific Gravity	1.7 – 2.0

SURFACE PREPARATIONS

The repair surfaces will be cleaned and dried with a hot air lance. All loose debris must be removed. If desired, a jack hammer or milling machine may be used to clean and prepare the area to be repaired.

APPLICATION PROCEDURES

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

CrackMaster Mastic Black material is heated in a thermostatically controlled, purpose-built mixer, having a horizontal agitator that ensures complete mixing. Once the material reaches approximately 370 to 400 °F (189 to 204 °C), pour molten CrackMaster Mastic Black into the prepared area, sealing the bottom of the repair from water intrusion.

When using as a patching material, If the depth of the repair exceeds 1 inch and the width exceeds 4 inches, 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 Black until within 3/4" of the top of the repair. The bulking aggregate must be worked into the patch completely. **NO DRY LAYERS OF BULKING AGGREGATE WILL BE ALLOWED.**

The final 3/4" of the repair will be CrackMaster Mastic Black material for optimum flexibility of the repair. This top layer must be screeded to a level grade. Depending on the depth of the repair, the CrackMaster Mastic Black material will be ready for traffic return between 30 minutes to 1 hour.

When using as a wide crack filler 1-4" wide, 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 as necessary to ensure a good riding and aesthetically pleasing repair.

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 Black is available in a 40 pound meltable bag. CrackMaster Mastic Black is supported by a national network of SealMaster manufacturing facilities along with a national network of qualified applicators.

CRACKMASTER MASTIC BLACK

SMT-290

REVISED 03/29/21

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 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.

Copyright © InFrasys, Inc. All rights reserved. Reproduction of any of this material is strictly prohibited.