



Asphalt Mender Technical Data

1. **Product Name:**
Asphalt Mender
2. **Manufacturer:**
CSS Polymers, Inc.
2659 Freedom Pkwy., Ste 294
Cumming, GA 30041
(770) 645-0101 Fax (866) 694-3504
www.csspolymersinc.com
3. **Product Description:**
Asphalt Mender is a very rapid set, flexible, low viscosity urethane/polyurea specifically designed for the rapid repair of cracks or joints in asphalt or concrete pavement.
4. **Uses:**
Asphalt Mender is used for cracks and repairing damaged in asphalt. Joint material between asphalt and concrete. Outside concrete joints filler.
5. **Limitations:**
Always mix Part B before using and shake cartridges vigorously. This product is very moisture sensitive and should not be applied to wet or damp surfaces. Use product neat where movement is present.
Hot Conditions: The product will set considerably faster in hot conditions and slower in cold conditions. Do not use product that is hot. Keep out of direct sunlight. Pre-condition product for use at cold temperatures by warming and hot temperatures by cooling.
6. **Installation:**
Preparation: Asphalt must have a minimum 30 day cure. Clean the area of debris and contaminants that would act as a bond breaker. High pressure air blasts usually produces enough velocity to clean large and small crack. **Make sure the area is dry.**
Large Cracks: Pour large #12 sand in layers of 3/4 to 1 inch at the bottom of the crack and work up, filling or flooding each layer with Asphalt Mender. Push the static mixing wand directly into each sand layer and flood. Immediately apply additional sand and continue flooding each layer to assure complete saturation of the sand or pea gravel/sand mixture.
Alternate Application: First apply Asphalt Mender, then add sand into the product, then more product and sand. Repeat the steps in layers until reaching finished grade.
Finished Grade: Fill the crack with Asphalt Mender up to finished grade. Do not leave below finished grade. Bring final layer/application to finished grade and broadcast sand over the surface of the wet product as it is filled into the crack area. Use a trowel edge to even the fill to grade as needed. Remove excess material before it sets for a smooth finish. Allow product to set for 10-15 minutes or until physical properties develop to support traffic.
Small Cracks: Use product neat.
7. **Color & Packaging**
Asphalt Mender color is black.
Asphalt Mender is packaged in duplex 20 fl oz cartridges, 54 ounce cartridges, 10 gallon kits and 110 gallon kits.
8. **Technical Information:**
Solids 90% V.O.C (mixed) 5.5 g/l
Shelf Life 1 year Mix Ratio 1:1
Hardness ASTM D2240 Shore A 55-60
Compressive Strength (with sand) > 4250 psi
Tensile ASTM D412 450 psi-exceeds asphalt strength
Elongation ASTM D124 180-200%
Processing Temperature 70° F
Gel Time 1-2 Minutes @ 75° F
Tack Free 4-5 mins & Full Traffic 15 mins @ 72° F
9. **Advantages:**
Extends Pavement Service Life
Protects Sub-Base
Cartridge Convenience for Immediate Repairs
Stops Water Intrusion
Does not dry out and becomes brittle
Makes A Flexible Repair
Chemical & Fuels Resistance
"Drive Over" in 10-15 Minutes
Use In Warm or Cold Environments
10. **Coverage:**
One 21 oz. cartridge with sand yields approx 122 CI. One gallon yields approx 770 CI.
11. **Safety:**
This product is for use by professional applicators only. Wear protective clothing.
Read MSDS before using this product.
DOT/Flash Point: Non-flammable.
Liquid Classification: Not regulated.
12. **Warranty:**
CSS Polymers, Inc. will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

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