



**Overview:** Cimline On Demand Mastic System prepares and dispenses repair mastic material on demand. The mastic system incorporates locally approved crack sealant material and aggregate in a self-contained machine. Unlike other systems that require a prepackaged product that includes aggregate and the mastic binder, Cimline's mastic system prepares the mastic binder and the aggregate in the machine at the jobsite, thus reducing handling and shipping of a batched pre-packaged product and allows on-demand supply. The final outcome is a finished product that is economical, locally sourced, and of highest quality.

**Use** Cimline Repair Mastic System is used for sealing, filling, and repairing asphalt and concrete distresses on pavements as well as bridge deck surfaces. Typical uses include repair of wide transverse and longitudinal cracks and joints, pothole repair, utility cuts, patch repairs, curb and gutter to pavement alignment, leveling manhole and utility covers, as well as leveling of bridge approaches, spalled concrete joints, pop outs, corner breaks or other faulted areas that require needed maintenance. After proper application, the mastic forms a flexible, waterproof, durable, well bonded product that will give years of service to the existing pavements.

### Generally Recommended Properties:

**Mastic Binder:** Any locally approved packaged crack sealant material may be used that conforms to your climatic conditions. Please refer to your local supplier and/or your Cimline dealer for additional information.

**Aggregate:** Any locally sourced graded aggregate that is clean, wear resistant and free flowing with a minimum aggregate size of 1/8" (3.17mm) and a maximum aggregate size of 5/8" (15.88mm) may be used. Please refer to your local aggregate supplier or asphalt mix producer for guidance and aggregate specifications. For best performance, the aggregate gradations shall correspond to the patch depth and surface structure loads that are encountered on the roadway.

**Finished Mastic:** The finished mastic is the combination of the mastic binder and the aggregate. The material will form a strong, durable, water resistant membrane that will have years of service life. Being that the finished mastic is blended in the field using local approved crack sealant and locally approved aggregate the finished mastic is not limited in scope as is a pre-packaged mastic material. The finished mastic will be poured and leveled in the repair area and be traffic ready upon cooling and solidification.

**Surface Preparation:** All surfaces shall be free from moisture, loose material, fugitive dust, dirt, vegetation, and other materials that inhibits the bonding of the mastic to the existing surface. Repairs for concrete pavements may require a surface conditioner. This may be deemed an appropriate action if deemed by the Contract administrator, inspector, or contractor to obtain necessary bonding characteristics.

**Installation and Equipment Instructions:** Prior to use the operator shall refer to the Installation Instructions Document for detailed information. This document will be necessary to review and understand prior to and during operation.

**Limitation:** Do not apply the material to a wet surface or over coal tar sealers as delamination may occur. The applicator shall take necessary precautions to confirm suitability of use.

**Packaging:** The mastic binder will normally consist of a modified asphalt crack sealant prepackaged in meltable plastic bags in a cardboard box weighing approximately 40 pounds. Please refer to your local crack filler supplier for information regarding the needed product.

**Performance:** Using best operating practices, such as surface preparation, crack sealant and aggregate selection, the finished mastic material life cycle analysis is normally 4-5 years.

FOR ADDITIONAL INFORMATION

[www.CimlinePMG.com](http://www.CimlinePMG.com) or Contact your local Cimline dealer