



ALSAN FLEX 1000 MASTIC

FASTENER/SEAM GRADE

Alsan FLEX 1000 Mastic

Order No. L-MBSP16 (5 gal.)
L-MBSP17 (50 gal.)

DESCRIPTION & APPLICATION

Alsan FLEX 1000 Mastic is a flexible, high performance, watertight, puncture and UV resistant ready to use one-component resin used in metal building and single-ply restoration and waterproofing liquid-applied membrane applications.

PRODUCT USES:

Alsan FLEX 1000 Mastic is utilized in numerous applications, including metal roofs (reinforced at seams and fastener heads as necessary), single ply restoration (reinforced, partially reinforced and non-reinforced), repairs (reinforced as necessary), flashings (reinforced) and single ply seam repair (reinforced and non-reinforced). Alsan FLEX Mastic is also utilized as a fastener encapsulator on mechanically fastened metal roof systems.

COLOR:

Alsan FLEX 1000 Mastic is supplied in a silver color.

PACKAGING:

Alsan FLEX 1000 Mastic is supplied in a resealable five gallon can or in 50 gallon drums.

STORAGE:

Shelf life: 12 months in original unopened containers. Always store closed containers in cool, ventilated and dry location away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 32°F (0°C) or above 77°F (25°C). Storing the containers above the recommended temperature may reduce the product's shelf life. The resin may polymerize at temperatures above 140°F (60°C). Avoid direct sunlight and heat source when storing products on project site.

HANDLING:

Always use caution when handling the products. Do not smoke. Keep away from open flame, fire or any ignition source. Avoid skin and eye contact with this product. Cured product may be disposed of in standard landfills. Uncured product is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations. Workers must wear long sleeved shirts, long pants, work boots and use only butyl rubber or nitrile gloves when working with the product. Safety glasses with side shields are required for eye protection. Use of NOISH approved respirator is required if the airborne concentration exceeds recommended limits. For more information, refer to instruction on the label of the can and to relevant Material Safety Data Sheet (MSDS).

MIXING:

Thoroughly mix the entire drum of resin for 2-3 minutes before each use. DO NOT MIX AT HIGH SPEED.

APPLICATION:

The resin may be applied with a 2"-4" square edged trowel for seams, or integrated with fleece using a brush for vertical flashing elements. When using the reinforcing fleece the mastic should be applied to a 1/8" thickness and extend 1" beyond the fleece edge.



TECHNICAL INFORMATION

RECOMMENDED APPLICATION RATES*

Single ply seam application (three-course method)

Primer (as specified)
 Alsan FLEX 1000 Mastic
 Polyester Reinforcing Fabric
 Alsan FLEX 1000 Mastic
 (Approximately 20 to 25 linear feet per gallon with six inch wide fabric)

Fastener encapsulation (unreinforced)

Reseat fasteners as necessary
 Fastener encapsulation rate at approximately 250 to 260 per gallon

Flashing (reinforced) application

Primer (as specified)
 Base coat - minimum of 2.0 gallons per 100 square feet
 Reinforcing fleece
 Top coat - minimum of 2.0 gallons per 100 square feet

* Application rates are affected by porosity and texture of substrate.

Each roof application has unique conditions and may therefore require a specific system solution and application. The Alsan FLEX 1000 Mastic makes for a superb sealant for horizontal and vertical joints and fasteners on metal buildings. It can be used to patch and repair existing single ply roofs at the seams, flashing area's and in the field, without removing the membrane. The roofs can be continually recoated, to extend the life of the roof.

CHARACTERISTICS

	ASTM Test Method	Alsan FLEX 1000 MASTIC
Physical state	-	Viscous liquid
Color	-	Silver and White
Viscosity	-	Thixotropic paste
Drying time	D 1640-95	1 to 4 hours
Low temperature flexibility	C 522	Pass (-15°F)
Density at 77°F	D 1475-98	9.81 lb/gal
Elongation	D 412-98a	> 800%
Tensile strength	D 412-98a	> 324 psi
UV resistant	D 4799-03	Yes
Odor	-	Low aromatic