



# *FlexShield* **#107 MBA Adhesive**

## **Product Information and Technical Data**

**#107 MBA Adhesive** is a specially formulated blend of select asphalts, mineral fibers, solvent and cohesive materials. Manufactured to a thick, brushable consistency, it provides lasting adhesion and watertight seals to layers of cold-applied, asphalt coated, rolled roofing.

### **Uses**

GlobalShield™ **MBA Adhesive** may be used for cold process adhering of SBS modified bitumen membranes onto smooth asphalt surfaces and as an adhesive for smooth roll roofing up to 65 pound weight, for unifying half lap, double-coverage organic sheets and as a weatherproof maintenance coating for sloped roofs.

### **Advantages**

- **#107 MBA Adhesive** is very easily applied, promoting excellent substrate adhesion and strong lap bonds. May be used with all SBS modified bitumen membranes and coated fiberglass or coated polyester base sheets.

### **Installation**

#### **Coverage**

Product yield at desired rates will vary from 2 to 4 gallons per 100 square feet. The yield varies according to existing surface profiles. Generally, smoother surfaces require less adhesive. Projected coverage rates are per coat or ply.

#### **Surface Preparation**

Remove all dirt, dust, debris and standing water by brooming and by forced air when necessary where no danger or nuisance were caused to adjacent areas. All loose gravel must be removed from ballasted roofs. Scrape back all loose and scaled coating to still-bonded edges. Make all necessary repairs to existing surfaces prior to coating. Splits in seams, blisters and cracks should be repaired using **#102 Roof Cement** reinforced using Polyester Mat. Heavily weathered or exposed felt surfaces, as well as concrete, masonry or rusted metal should first be primed using **#101 Asphalt Primer**. Metal roofs should be allowed to weather for six months prior to coating.

#### **Application**

Apply by pouring directly from the container and spreading with a standard roofing brush or notched squeegee. Be sure spreading is even. When reinforcing with polyester fabric, apply a base layer of **MBA Adhesive** onto roof surface at a rate of 2 to 4 gallons per 100 square feet. Imbed the roofing ply/plies into the wet material, taking care to smooth out and eliminate all wrinkles. Overlap longitudinal seams 4" and end laps 6". All end or "head" laps must be offset a minimum of 18". Apply a finish coat of **MBA Adhesive** at rate of 2.5 to 5 gallons per 100 square feet. Note: when using Type II or Type III fiberglass base sheets, cut the sheets into 20 foot long sections and allow to relax a minimum of 30 minutes prior to installation, longer during cold weather.

**#107 MBA Adhesive** cleans up using mineral spirits, but do not thin with solvents.

For the easiest workability in extremely cold temperatures, warm containers by storing them overnight in a room at 65° to 75° F.

**Drying Time:** Four hours to touch at 70° F. with 50% relative humidity. Allow 7 to 14 days before exposing to foot traffic.

#### **Restrictions**

Do not use lightweight roofing plies such as Type IV or Type VI fiberglass roofing felts. Do not use with un-coating roof mats. Do not use with 90 pound granulated organic roofing plies. Do not use with PVC film. Do not use where applied material may contact potable water. Unusable with coal tar containing products. Unusable on slate or wooden surfaces. Surfaces to be remain dry and clean for 24 to 48 hours after application. Not for use over rubber or plastic membranes – only asphalt bearing. For exterior use only.

**Cautions**

This product is combustible. Keep away from heat, sparks and open flame. Avoid repeated or prolonged contact with skin. If swallowed, do not induce vomiting. Contact Physician immediately. Keep container closed when not in use. KEEP AWAY FROM CHILDREN. Product label and Material Safety Data Sheet contain further information on the safe use of this product and precautions for the safe disposal of the container. They should be read and understood prior to use.

**SPECIFICATIONS**

Non-Volatiles by Weight	Brush 64%	Trowel 69.4%
Weight Per Gallon: Pounds	8.0	8.5
Flash Point	148° F (Seta C.C.)	105° F (Seta C.C.)
P.H.	N/A	N/A
Viscosity at 77° F.	N/A.	640,000 cps.
Long-Term Service Temperature Range	-60° F. to +160° F.	-60° F. to +160° F.
Water Resistance: Intermittent Exposure	Excellent	Excellent
Water Resistance: Ponded	Good	Good
Solvent Resistance	Poor	Poor
U.V. Resistance	Good	Good

**PACKAGING INFORMATION**

Product Number	Size	Quantity	Weight
107-005	5 gal.	Each	45 lbs.
107-055	55 gal. Bbl.	Each	495 lbs.

**Availability:** Products are immediately available from GlobalShield, Inc. throughout the United States.

**Cost:** Cost data is available from your local GlobalShield representative.

**Technical Services:** GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranted systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

**Statement of Policy and Responsibility:**

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on and expressly disclaims any responsibility for the structural soundness of any roof deck on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the roof deck, or its ability to properly support the contemplated roof installation. GlobalShield accepts no liability for any failure of the roof deck or resultant damages, and no GlobalShield representative is authorized to vary this disclaimer.

