



PRODUCT DATA SHEET

#610 Modified Bitumen Adhesive Trowel Grade

USES

AIM #610 Modified Bitumen Adhesive Trowel Grade is designed as a cold process inter-ply adhesive for SBS modified bitumen single ply membranes. Cold process adhesives eliminate the need for hazardous torches and hot asphalt kettles. AIM Modified Bitumen Adhesives are easy to apply with minimal equipment, effort, and cost.

DESCRIPTION

AIM 610 Modified Bitumen Adhesive Trowel Grade is manufactured from refined modified asphalts, a special solvent blend, and non-asbestos reinforcing fibers. The special solvents contained in this product help to create an extremely strong and durable bond between the substrate and the modified bitumen membrane. AIM 610 Modified Bitumen Adhesive Trowel Grade is designed for adhering SBS modified bitumen membranes to flashings and other vertical surfaces. Although it was designed as an adhesive, AIM 610 Modified Bitumen Adhesive Trowel Grade can be used for flashing around vents, pipes, skylights and other roof penetrations as well as for patching high movement areas on SBS and asphalt built-up roofs.

APPLICATION

AIM 610 Modified Bitumen Adhesive Trowel Grade should only be applied to surfaces that are sound and clean. Temperatures should be a minimum of 40° F and there should be no threat of rain. The adhesive may thicken in cold weather. To improve cold weather applicability store unopened container in a warm place prior to use. Apply directly from the can; do not thin. The SBS modified bitumen sheets should preferably be cut into sections less than 20 ft. in length and allowed to relax and flatten out before being installed. All laps should be a minimum of 4 inches wide. All laps should be rolled with a weighted roller and end laps should be weighted to insure a proper bond. A bead of adhesive should be evident at all seams. The adhesive may be left open for a short time before the modified roll is imbedded to allow some of the solvent to evaporate and improve the initial bond. This time period will vary significantly with weather conditions. Equipment and foot traffic should not be permitted on the new roof until the adhesive has fully cured in order to prevent voids or blisters from forming at pressure points. AIM 610 Modified Bitumen Adhesive Trowel Grade should be applied evenly at a rate of 2 - 4 gallons per 100 sq. ft. (1/32 to 1/16 of an inch thick), depending upon the absorbency of the substrate. It may be applied with either pointed or notched trowel. Excessive rates of application may damage the membrane and prolong curing time. Consult the modified bitumen manufacturer if more than one coat of adhesive is to be used in any roof system. Cure time will be between 24 and 48 hours. The strength of the adhesive will continue to increase beyond this initial bonding period. Clean up with mineral spirits or waterless hand cleaner. Use care when handling solvents.

CAUTION

COMBUSTIBLE LIQUID AND VAPOR

Contains petroleum distillate. Harmful or fatal if swallowed.

Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye irritation. Causes skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Keep away from heat and open flame. Use only with adequate ventilation. Do not breathe vapors. If you experience eye watering, headache, or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state and federal regulations.

Warning: This product contains a chemical known to the State of California to cause cancer.

SPECIFICATIONS

Applicable Specification	ASTM D-4586, ASTM D-3019	% Asphalt	50 min.
		% Solids	71 min.
Recommended rate of application	2 to 4 gal. per 100 sq. ft. (1/32 to 1/16 of an inch thick)	% Non-volatile	81 max.
		% Mineral Filler Content	14 min.
		VOC	less than 250 g/l
Container Sizes	3, 5 Gallon	Weight per gallon	9 lbs.
		Flash Point	+100°F (38.7 ° C)

