



DESCRIPTION:

RoofSlope[®] Auxiliary Sloping Compound is an acrylic modified cementitious sloping material designed to create auxiliary slope over a wide variety of roof membranes to divert water flow toward drains, scuppers, or an outside edge. RoofSlope provides a quick and easy way to fill in low spots on flat roofs and achieve positive slope to aid in proper drainage. This patented technology provides a durable finish with the ability to match existing roofing compositions. RoofSlope is excellent for new construction, as well as retrofit work, minimizing costs associated with fixing slope-to-drain issues. The product provides a durable finish that has the ability to incorporate the appropriate colored granules to match the existing roofing composition.

PREPARATION:

Completely read all application instructions and check weather conditions prior to starting any work. All surfaces must be completely clean and dry, have proper drainage and be free of dirt, dust, oil, loose paint, wax or grease and any other foreign matter.

FEATURES:

- Cost Effective
- Tremendous Bond Strength
- Water-Based
- Fast Drying
- Ability to Match a Variety of Roof Finishes
- Bonds to a Wide Variety of Substrates
- Extremely Durable
- Monolithic
- UV Stable
- Easy to Install

APPLICATION:

Clean and inspect roof: RoofSlope material must be applied over a clean roof with excess water removed. Remove any contaminants on roof that will inhibit product adhesion. The membrane must be a properly functioning roofing system prior to use of RoofSlope.

Mix: Mix 1 pail of RoofSlope to 1 ¼ gallons of water. Use a Wind-lock B-M1 mixing blade, or equivalent, powered by a 13mm (1/2 inch) variable speed drill, capable of producing 1000 RPMs. Make sure material is completely mixed until mixture is smooth.

Apply: After surface preparation, apply RoofSlope mix by using a screed board and a trowel to achieve the appropriate slope. Slope RoofSlope flush to the membrane using a wet paint brush as required to assure there is not a lip or raised edge associated with the RoofSlope application.

Broadcast: Immediately broadcast roof granules or sand of similar size (16 grit) into the wet RoofSlope mixture until refusal, this is mandatory in all applications.

Clean Up: Clean tools and hands with warm soapy water and rinse thoroughly.



TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Compressive Strength (ASTM C150-72)	6075 psi (average)
Abrasion Resistance (ASTM D1242)	2.9 gr
Percolation (ASTM Pending)	Pass
Bond Strength (ASTM C297)	Pass
Freeze Thaw (ASTM 67)	Pass
Static Coefficient of Friction (ASTM D635)	Pass
Spread of Flame (ASTM E108)	Class "A"
Intermittent Flame (ASTM E108)	Class "A"
Burning Brand (ASTM E108)	Class "A"
Shelf Life	12 months

PRODUCT WEIGHT & COVERAGE:

AVERAGE PRODUCT THICKNESS	WEIGHT PER SQ. FT.	BATCH MIX	BATCH MIX COVERAGE RATE	AGGREGATE NEEDED
1/4"	2.5 lbs.		30 sq. ft.	
1/2"	5 lbs.		15 sq. ft.	
3/4"	7.5 lbs.	1 50# pail	11.25 sq. ft.	1 bag/pail for every 3-4 pails of RoofSlope
1"	10 lbs.	1 1/4 gal. water	7.5 sq. ft.	
1 1/2"	15 lbs.		5.5 sq. ft.	
2"	20 lbs.		3.75 sq. ft.	

* The above are estimates. Weight & coverage will vary.

PERSONAL PROTECTIVE EQUIPMENT



PROTECTIVE GLASSES WITH SIDE SHIELDS OR GOGGLES



PROTECTIVE CLOTHING



NITRILE GLOVES

SPECIFIC ROOFING SYSTEMS:

Mineral Surface & Acrylic/Elastomeric Coated Roofs: Apply RoofSlope directly over clean roof.

Asphaltic Non-Granulated or Non-Sanded Membrane Roofs: Apply an asphalt emulsion product that will adhere to the existing membrane as a primer. Immediately broadcast roof granules or sand of similar size to roof granules (16 grit) into the wet emulsion product until refusal, allow to properly cure.

Single-Ply Membrane Roofs (PVC, TPO, OR EPDM): Apply a compatible single-ply adhesive that will adhere to the existing membrane as a primer. Immediately broadcast roof granules or sand of similar size to roof granules (16 grit) into the wet single-ply adhesive until refusal, allow to flash and apply RoofSlope mix. Note: A new single-ply membrane or coating can be applied to the cured RoofSlope (approximately 24 hours depending on temperatures).

Aluminum Coated Roofs: Apply an asphalt emulsion product that will adhere to the existing membrane as a primer. It is recommended to extend the asphalt emulsion product a minimum of 6" beyond the ponding area. Immediately broadcast roof granules or sand of similar size to roof granules (16 grit) into the wet emulsion product until refusal, allow to properly cure.

Silicone Coated Roofs: Do not use. RoofSlope material is not compatible with silicone coated roofing membranes.

SLOPING BETWEEN SCUPPERS AND DRAINS:

Determine a high point between the scuppers or drains and screed the RoofSlope using a screed board down to each scupper or drain. Transition to the mineral surfaced roofing membrane should be tapered to zero. Immediately broadcast evenly approximately 20 pounds (per batch mix) of 16 grit silica sand or roofing granules into the wet/uncured slope mix until refusal. This application is imperative for proper cure and performance.

SLOPING LARGE AREAS:

Pour the RoofSlope Mix over the surface and spread it out using a screed board set to the appropriate slope and length. A shim or nail on one end of the screed board can be utilized to create the desired slope. Immediately broadcast evenly approximately 20 pounds (per batch mix) of 16 grit silica sand or roofing granules into the wet/uncured slope mix until refusal, this application is imperative for proper cure and performance.

FILLING LOW SPOTS:

Mix RoofSlope as described in mixing instructions above. Pour the RoofSlope Mix into the middle of the low spot (the material should be mixed wet enough to allow materials to self-level). Using a screed board, pull the board across the low spot, leaving the excess slope mix in the low spot of the substrate, and taper the edges of the perimeter. Once the low spot has been filled in, evenly broadcast 16 grit silica sand or Roofing Granules into the wet/uncured mix until refusal.

SHELF LIFE & STORAGE:

The shelf life of is one year from the date of manufacture. Transport and store in original, unopened, undamaged containers. Protect from freezing. Do not store in direct sunlight. Keep in cool dry place.