

ROOFSLOPE® AUXILIARY SLOPING COMPOUND



MATERIALS

1. RoofSlope® Dry Mix (50 lb. Bag)
2. Water
3. 16 grit Silica Sand or Roofing Granules. (Any clean washed sand, girt, or granules similar to a 16 grit/mesh is acceptable)

I. SUBSTRATE INPECTION/PREPARATION

A. General

1. RoofSlope® material must be applied over a clean and properly functioning roofing system.
2. If sloping is to be installed against the wall to roof flashing, flashing must extend 4" above the sloping material. Ensure proper work space is maintained. Sloping should not be built up against any stucco, siding, or exterior finish system.
3. Air temperature for application of the RoofSlope® Mix must be between 10°C (50°F) and 43°C (110°F) and must remain so for a minimum of 6 hours. Do not allow foot traffic on the areas where the slope mix was installed until fully cured. NOTE: DO NOT APPLY IN INCLEMENT WEATHER.

B. Non-Granulated/Sanded Membrane Roofs

1. Roofing membranes that are non-granulated, such as a smooth non sanded membrane requires a thin layer of an asphalt emulsion product to be used as a primer for the RoofSlope® product.
2. Apply an asphalt emulsion product that will adhere to the existing membrane as a primer thick enough to accept a full broadcast of 16 grit silica sand or granules. 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 prior to the installation of the RoofSlope® material.
3. Proceed to apply the RoofSlope® product to the granulated surface.

C. Single-Ply Membranes (PVC, TPO, or EPDM) Roofs

1. Roofing membranes that are single-ply, such as a PVC, TPO, or EPDM requires a thin layer of a compatible single-ply adhesive to be used as a primer for the RoofSlope® product.
2. Apply a compatible single-ply adhesive that will adhere to the existing membrane as a primer thick enough to accept a full broadcast of 16 grit silica sand or granules. 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.

3. Note: A new single-ply membrane or coating can be applied to the cured RoofSlope® (approximately 24 hours depending on temperatures). Allow the single-ply adhesive to properly

D. Aluminum Coated Roofs

1. Roofing membranes that are aluminum coated require a thin layer of an asphalt emulsion product to be used as a primer for the RoofSlope® product. It is recommended to extend the emulsion product a minimum of 6" beyond the ponding area.
4. Apply an asphalt emulsion product that will adhere to the existing membrane as a primer thick enough to accept a full broadcast of 16 grit silica sand or granules. 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 prior to the installation of the RoofSlope® material.
2. Proceed to apply the RoofSlope® product to the granulated surface.

E. Silicone Coated Roofs

1. RoofSlope® is not compatible with silicone coated roofing membranes.

II. MIXING INSTRUCTIONS

A. RoofSlope® Mix

1. Pour 4.75L (1.25 gallons) water into a clean 19L (5 gallon) plastic container.
2. Add one (50lb.) bag of RoofSlope® Dry Mix, and mix thoroughly for 3 to 4 minutes. 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.

III. APPLICATION

A. Sloping Between Scuppers or Drains

1. Mix the RoofSlope® Mix as described in Section II.
2. 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.
3. 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.

B. Sloping Large Areas

1. Mix the RoofSlope® Mix as described in Section II.
2. 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.
3. Immediately broadcast evenly, approximately 20 lbs. (per batch mix), of 16 grit silica sand or Roofing Granules into the wet/uncured slope mix until refusal.

C. Filling Low Spots

1. Mix the RoofSlope® Mix as described in Section II.
2. Pour the RoofSlope® Mix into the middle of the low spot (the material should be mixed wet enough to allow materials to self-level).
3. 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.
4. Once the low spot has been filled in, evenly broadcast 16 grit silica sand or Roofing Granules into the wet/uncured slope mix until refusal.

IV. Limitations

The RoofSlope® material is not to be used as a waterproofing material, nor as a product for achieving primary slope. This product is designed to be used over a properly functioning roof membrane. The existing roofing application will be responsible for all matters related to the waterproofing. Drying cracks may be visible in the RoofSlope™. It is the responsibility of the Builder, Architect, or Engineer to perform load/weight calculations, before any sloping is installed. See weight chart on the RoofSlope Product Information Sheet. Site conditions/constraints may impair the ability to achieve proper slope. Consult the installer. Ensure negative slope is not created. Contact RoofSlope™ for any necessary written verification or approvals.

Disclaimer

Information contained in this specification conforms to standard detail and product recommendations for the installation of the Pli-Dek products as of the date of publication of this document and is presented in good faith. Pli-Dek Systems, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To insure that you are using the latest, most complete information, contact Pli-Dek Systems, Inc., at:

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