

AUXILIARY SLOPING COMPOUND

PART I. GENERAL**1.1 Scope**

- A. Provide all labor, material and equipment necessary to apply the RoofSlope® auxiliary sloping compound over the affected roof membrane area that is experiencing ponding water.

1.2 Description

- A. RoofSlope® is a patented, proprietary blend of high performance acrylics, aggregates and bonding agents. The RoofSlope® product is a stand-alone auxiliary sloping compound that can be installed over a variety of roofing membranes that are experiencing ponding water.

1.3 References

- A. American Society for Testing and Materials (ASTM):
1. C 150-72: Test Method for Compressive Strength
 2. D1242: Test Method for Abrasion Resistance
 3. C297: Test Method for Bond Strength
 4. C67: Test Method for Freeze-Thaw Cycling
 5. D635: Test Method for Static Coefficient of Friction
 6. E108: Test Method for Spread of Flame
 7. E108: Test Method for Intermittent Flame
 8. E108: Test Method for Burning Brand

1.4 Submittals**A. Samples:**

1. The installer shall submit samples of the proposed finish to the architect and/or owner for approval.

B. Manufacturer Information:

1. Submit manufacturer's data sheet and specifications.

1.5 Quality Assurance**A. Substrates:**

1. The RoofSlope® compound installs a variety of granulated roof surfaces. Contact RoofSlope® for a list of "approved" surfaces.
2. For installation over single-ply roofing membranes other than PVC, TPO, and EPDM contact Pli-Dek for written details.
3. The RoofSlope® compound is designed to be applied over an existing affected roof membranes; the compound is not intended to be used as a waterproofing application.

1.6 Delivery, Storage, and Handling

- A. All materials shall be delivered to the job site in the original, unopened packages with labels intact. Upon arrival, materials shall be inspected for physical damage or freezing. Questionable materials shall not be used.
- B. Minimum storage temperatures shall be 4°C (40°F). Maximum storage temperatures shall be 43°C (110°F). All materials shall be stored in a dry location, out of direct sunlight and protected from weather and other damage.

1.7 Job Conditions**A. Existing Conditions:**

1. The applicator shall have access to electrical power, clean potable water, and clean work area at the location where the RoofSlope® compound is to be applied.
2. Other conflicting trades need to be made aware to keep off areas during the application and curing process.
3. All required inspections must be made prior to installation.

B. Environmental Conditions:

1. The RoofSlope® compound must be fully cured before dropping below or exceeding surface temperatures between 10°C (50°F) and 43°C (110°F).

C. Protection:

1. The RoofSlope® compound must be fully cured before dropping below or exceeding surface temperatures between 10°C (50°F) and 43°C (110°F).
2. The RoofSlope® compound must be protected by permanent or temporary means from weather and other damage, before, during, and immediately after application.
3. The materials shall be protected from weather and other trades which may damage the integrity of the product.

D. Sequencing and Scheduling:

1. Application shall be coordinated with other construction trades.
2. Sufficient labor and equipment shall be employees to ensure a continuous operation.

1.8 **Warranty**

- A. RoofSlope® compound is warranted to be free of material defect for a period of ten years. Contact RoofSlope® for details.

1.9 **Design Responsibility**

- A. The designer selected by the purchaser shall be responsible for all decisions pertaining to design, structural capability, attachment details, weight load restrictions, shop drawings, etc. Pli-Dek Inc. has prepared guidelines in the form of specifications, application instructions, and product information sheets to facilitate the design process only. RoofSlope® is not liable for any errors or omissions in design for any changes, which purchasers, specifiers, designers, or their approved representatives may make to RoofSlope' s® published comments.

PART II. PRODUCTS

2.1 **General**

- A. All products shall be supplied by RoofSlope® and/or its authorized distributors. Substitutions or additions of other materials will void the warranty.

2.2 **Description**

- A. RoofSlope®: A proprietary blend polymer cement
- B. Desired granules: 16 grit Silica Sand or Roofing granules. (any clean wash sand, grit, or granules similar to a 16 grit/mesh is acceptable)
- C. Water: Shall be clean and potable

PART III. EXECUTION

3.1 **Inspection**

- A. Substrate:
 1. Ensure that the substrate is structurally sound free from contaminants. Ensure that the assembly can accommodate the weight of the RoofSlope® compound.

Average Product Thickness	Weight per sq. ft.	Batch Mix	Batch Mix Coverage Rate	Aggregate Needed
¼"	2.5 lbs.	1-50# bag/pail 1 1/4 Gal. Water	30 sq. ft	1 bag/pail for every 3-4 bags/pails of RoofSlope®
½"	5 lbs.		15 sq. ft	
¾"	7.5 lbs.		11.25 sq. ft	
1"	10 lbs.		7.5 sq. ft	
1 ½"	15 lbs.		5.5 sq. ft	
2"	20 lbs.		3.75 sq. ft	

2. Ensure that the existing roofing system functions properly and has a granulated surface, if the surface is not granulated, contact RoofSlope® for details.
3. Ensure that all low spots are clearly market and confirm that constraints are not present that would not allow the compound to be installed at necessary heights as to achieve proper slope.

3.2 **Substrate Preparation:**

- A. Mineral Surface/Granulated Roof Membrane:
 1. Surface must be clean and free from contaminants.
 2. Puddles may not be on the surface. Broom any puddles off of the surface to be coated.
- B. Roof Coatings
 1. Surface must be clean and free from contaminants.
 2. Puddles may not be on the surface. Broom any puddles off of the surface to be coated.
- C. Single-Ply Membrane:
 1. Surface must be clean and free from contaminants.
 2. Puddles may not be on the surface. Broom any puddles off of the surface to be coated
 3. 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 RoofSlope®.
 4. Apply a 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.
 5. IMMEDIATELY broadcast silica sand or granules into the wet single-ply adhesive until refusal. Allow the single-ply adhesive to properly cure prior to the installation of RoofSlope®.

D. Concrete & More:

1. Contact Pli-Dek for additional information.

3.3 Application:

- A. Refer to RoofSlope® System Data Sheet for complete details.

3.4 Field Quality Control:

- A. The applicator shall be responsible for the proper application for the RoofSlope® compound.
- B. RoofSlope® assumes no responsibility for on-site inspections, application or workmanship.

3.5 Field Quality Control:

- A. All excess RoofSlope® compound shall be removed from the job site by the applicator in accordance with contract provisions.
- B. All surrounding areas, where the RoofSlope® compound has been applied, shall be left free of debris and foreign substances resulting from the applicators work.

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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