

# ROOFSLOPE®

## AUXILIARY SLOPING COMPOUND



### PART I. GENERAL

#### 1.01 Scope

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

#### 1.02 Description

- A. RoofSlope® is a patent pending, proprietary blend of high performance acrylics, aggregates and bonding agents. The RoofSlope product is a stand-alone sloping compound that can be installed over an affected granulated roofing membrane that is experiencing ponding water.

#### 1.03 Related Sections

- A. Sealants: MP-1 or Sika caulking or equivalent.

#### 1.04 References

- A. ASTM C 150-72: Test Method for Compressive Strength
- B. ASTM D1242: Test Method for Abrasion Resistance
- C. ASTM C297: Tests Method for Bond Strength
- D. ASTM C67: Test Method for Freeze-Thaw Cycling
- E. ASTM D635: Test Method for Static Coefficient of Friction
- F. ASTM E108: Test Method for Spread of Flame
- G. ASTM E108: Test Method for Intermittent Flame
- H. ASTM E108: Test Method for Burning Brand

#### 1.05 Submittals

- A. Samples:
  1. The installer shall submit samples of the proposed finish to the architect and/or owner for approval.
- B. Manufacturer's Information:
  1. Submit manufacturer's data sheet and specification.

#### 1.06 Quality Assurance

- A. Substrates:
  1. The RoofSlope® product installs a variety of granulated roof surfaces. Contact RoofSlope® for a list of "approved" surfaces.
  2. For installations over PVC, TPO, EPDM's, and other single-ply roofing membranes. Contact RoofSlope® for written details.
  3. The RoofSlope® product is designed to be applied over an existing affected roof membrane; the product is not intended to be used as a waterproofing application.
- B. Performance Requirements:
  1. ASTM C 150-72: Compressive Strength
  2. ASTM D1242: Abrasion Resistance
  3. ASTM C297: Bond Strength
  4. ASTM C67: Freeze-Thaw Cycling
  5. ASTM D635: Static Coefficient of Friction
  6. ASTM E108: Spread of Flame
  7. ASTM E108: Intermittent Flame
  8. ASTM E108: Burning Brand

#### 1.07 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 temperature shall be 4°C (40°F). Maximum storage temperature 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.

#### 1.08 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® material 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® product must be fully cured before dropping below or exceeding surface temperatures between 10°C (50°F) and 43°C (110°F).
- C. Protection:
  1. Adjacent areas and materials shall be protected from damage, drops, and spills.
  2. The RoofSlope® material 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 employed to ensure a continuous operation.

**1.09 Warranty**

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

**1.10 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 Systems, Inc. has prepared guidelines in the form of specifications, details, application instructions, and product sheets to facilitate the design process only. RoofSlope® is not liable for any errors or omissions in design or for any changes, which purchasers, specifiers, designers, or their appointed representatives may make to RoofSlope's published comments.

**PART II. PRODUCTS**

**2.01 General**

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

**2.02 Components**

- A. RoofSlope® DP (gray): A Portland cement, silicon dioxide, acrylic composition.
- B. Desired Granules: Desired A1 grit or 16 grit clean washed aggregate.
- C. Water: Shall be clean and potable.

**2.03 Equipment**

- A. Mixing shall be done a clean Wind-lock B-M1 mixing blade or equivalent powered by a 13-mm (1/2") variable speed drill capable of producing 1000 RPM.
- B. Tools
  1. Refer to the RoofSlope® data sheet for complete application instructions.

**PART III. EXECUTION**

**3.01 Inspection**

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

Product Thickness	Weight per sq. ft.	Batch Mix	Batch Mix Coverage Rate
		1-50# bag 1 1/4 Gal. Water	
1/4"	2.5 lbs.		30 sq. ft
1/2"	5 lbs.		15 sq. ft
3/4"	7.5 lbs.		11.25 sq. ft
1"	10 lbs.		7.5 sq. ft
1 1/2"	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 marked and confirm that constraints are not present that would not allow the product to be installed at the necessary heights as to achieve proper slope.

**3.02 Substrate Preparation**

- A. 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. Single Ply Membranes:

1. Contact RoofSlope® for details.

**3.03 Application**

A. General:

1. Refer to the RoofSlope® application instructions for complete details.

**3.04 Field Quality Control**

A. The applicator shall be responsible for the proper application of the RoofSlope® materials.

B. RoofSlope assumes no responsibility for on-site inspections, application or workmanship.

**3.05 Clean Up**

A. All excess RoofSlope® materials shall be removed from the job site by the contractor in accordance with contract provisions.

B. All surrounding areas, where the RoofSlope® materials have been applied, shall be left free of debris and foreign substances resulting from the contractor's 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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