

AUXILIARY SLOPING COMPOUND

Description:

The Pli-Dek RoofSlope® product is an acrylic modified cementitious sloping material designed to create auxiliary slope over a wide variety of roof membranes to divert water for toward drains, scuppers, or an outside edge. The product combines a proprietary blend of cements, resins and aggregates to achieve a workable, easy to use, slopping compound.

Advantages:

- Cost effective
- Fast Drying
- Extremely durable
- Easy to Install
- Tremendous bond strength
- Ability to match a variety of roof finishes
- Monolithic
- Water-Based
- Bonds to a wide variety of substrates
- UV Stable

Substrates:

Mineral surface membranes, concrete, plywood, oriented strand board (O.S.B.), and various single-ply membranes.

Color/Packaging:

The RoofSlope® mix is gray in color and is available in a 50-pound bag or pail.

Shelf Life/Storage:

The shelf life of the RoofSlope® mix is one year from the date of manufacture. Store in cool and dry conditions.

Technical Assistance:

Pli-Dek Systems, Inc. Or its local authorized representatives are available for on-site technical assistance and/or inspections for the RoofSlope® product line.

Substrate Inspection/Preparation:

RoofSlope® material must be applied over a clean and properly functioning roofing system. Air temperature for application of RoofSlope® 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.

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®. 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. 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®.

Mixing Instructions:

Pour 4.75L (1.25 gallons) water into a clean 19L (5 gallon) plastic container. Add one (50lbs. bag or pail 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.

Application:

Between Scuppers or Drains:
After mixing RoofSlope® as described above, determine a high point between the scuppers or drains and screed RoofSlope® using a screed board 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 until refusal. **THIS APPLICATION IS IMPERATIVE FOR PROPER CURE AND PERFORMANCE.**

Large Areas:

After mixing RoofSlope® as described above, pour the RoofSlope® mix over the surface and spread it out using a screed board to set 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 until refusal.

Low Spots:

After mixing RoofSlope® as described above, pour the RoofSlope® mix into the middle of the low spot (the material should be mixed wet enough to allow material to self-level). Using a creed board, pull the board across the low spot, leaving excess 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 slope until refusal.

Technical Data:

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| Compressive Strength (ASTM C150-72) | 6,075 psi |
| Abrasion Resistance (ASTM D1242) | 2.9gr |
| Percolation (ASTM Pending) | Pass |
| Bond Strength (ASTM C297) | Pass |
| Freeze Thaw (ASTM C67) | 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" |

Product Weight & Coverage Chart:

| Average Product Thickness | Weight per sq. ft. | Batch Mix | Batch Mix Coverage Rate |
|---------------------------|--------------------|------------------------------------|-------------------------|
| ¼" | 2.5 lbs. | 1-50# bag/pail 1 1/4 Gal. Water | 30 sq. ft |
| 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 |

1 bag/pail of aggregate needed for every 3-4 bags/pails of RoofSlope®

**The above are estimates. Weight and coverage rate will vary. Contact RoofSlope for light weight option.*