

SUN-TEK TUBE PRODUCT KNOWLEDGE SHEET

Benefits of a Sun-Tek Tube Skylight

1. **Leak proof** - Because of the one-piece seamless construction, the tube is completely leakproof.
2. **Unbreakable** - The exterior dome is made of super tough polycarbonate, which makes it virtually impervious to hail, tree branches or anything else! Polycarbonate is 30 times stronger than acrylic!
3. **Holds on Tight** - Because of the amount of fasteners we use, (for example: 21 fasteners for the 10" Sun-Tek tube vs. 4 fasteners for our competitor) as well as our exclusive "roof-grip" ridges, the tube will stay attached to the roof, making sure it just won't leak. In fact, these ridges increase the sealant area by 30% over a similarly sized flat flange.
4. **Attractive** - Our unit has the lowest profile on the market (5 1/8" inches for the Sun-Tek Tube vs. 9 1/2" inches for competitor's 10" model) which means it will look the best on the roof. Now has an improved interior diffuser with trim ring.
5. **Everything is Included** - Inside the box we provide everything, even including fasteners and sealant. We've also written our instructions with the consumer in mind so that they are easy to follow in a step by step fashion.

SIZING INFORMATION (NOTE: Interior opening & roof opening are the same.)

<u>Roof Opening</u>	<u>Tube Size</u>	<u>Length</u>	<u>Area of Illumination(SF)</u>	<u>Max. Tube Length</u>
10 1/8"	10"	48"	150	10 feet
14 1/8"	14"	48"	250	20 feet
21 1/8"	21"	48"	450	30 feet

The Dome

- One-piece seamless construction made of UV stable polycarbonate (3/16" thick)
- Very high impact resistance (30 times stronger than acrylic)
- Blocks 99% of damaging UV rays
- Exclusive "roof-grip" ridges increase sealant bonding area by 30% over a similarly sized flat flange
- Fasteners: 10 inch installed with (21) #8 screws; 14 inch - (21) #8 screws; 21 inch - (35) #8 screws
- Height of dome from roof deck is:

Size Tube Height from Roof Deck

10"	5 1/8"
14"	6 1/4"
21"	9 3/8"

- Dome is made of enhanced UV resistant Hyzod SL - a co-extruded polycarbonate inner layer and acrylic outer layer for superior impact strength that maintains clarity and has a 10 yr. warranty against excessive yellowing and loss of light transmission.
- This polycarbonate material has been tested and approved for use in Metro Dade approved skylights.

The Tube

- Tube is made from reflective aluminum, which is made to provide maximum levels of specular and total reflectivity. Alanod Miro™ is .020 inches thick aluminum with a reflectance of 95% (reflects 95% of all light) Miro™ is scratch resistant and needs no maintenance
- Thermoset adhesive system prevents premature delamination, which means the reflective coating won't peel away from tube.
- Virtually no iridescence so the sun shines through with no prismatic effect to the color. Excellent color rendering Index (CRI) which means you get the true color of the light shining.
- Optical Properties

Total Reflectance	95% (Minimum)
Image Clarity	90% (Minimum)
Specular Reflectance	92% (Minimum)
Diffuser Reflectance	0.01% (Maximum)
- Each unit ships with 2 elbows (15" length when straightened) and 1 straight piece. The elbows for all three sizes are 15 inches long (where straight); maximum elbow is 45". Straight connector is 22 inches long. Maximum tube length in box is 48". Additional elbows and/or straight connectors are available. Typically, only additional straight connectors would be needed.
- Each diffuser lens is held in place with 4 drywall (#6 x 1 1/2" long) screws, which come with white cover caps attached.
- Gasket around diffuser (already applied) prevents any air from getting into the tube.

Warranty

- 10 year limited warranty - See Installation Instructions

Testing Data

The Sun-Tek Tube has been tested to and meets or exceeds the AAMA 1600-90 and AAMA 1605.1-87 & FMHCSS, Part 3280.305 Architectural Specifications Code

The 21" Sun-Tek Tube was also tested in the National Certified Testing Lab facility. The tube was tested to a wind speed of 281 miles per hour (202.8 lbs. per square foot of pressure) without failure. The test was terminated at this wind speed. **(See your rep or call Customer Service for test results)**

Other

- Included is one tube of STS 1000, our butyl sealant.
- Included is ten yards of generic duct tape.
- Also included is a galvanized steel (22" gauge) roof collar, that can be used by the homeowner in the event that they cut the roof opening too large. The sizes of the collar are:

<u>Tube</u>	<u>Collar Dimension</u>
10"	14" collar
14"	18" collar
21"	25" collar

- Further information on all parts and components used in the Sun-Tek Tube is available from Sun-Tek Industries.