



Acralight Solar now has FM Approved Products!

Acralight Solar is proud to introduce our new line of FM Approved Skylights and Heat & Smoke Vents. These products have been tested to meet rigorous loss prevention standards of quality, technical integrity, and performance. The FM APPROVED mark is recognized and respected worldwide. Our certification instills confidence in builders around the world that our products are the best products for commercial and industrial facilities.

What is FM Approvals?

FM Global is a property insurance company that covers some of the largest commercial properties of the largest companies in the world. More than one-third of Fortune 1000 companies are partnered with FM Global. To ensure that the buildings are built to the highest standards of safety, FM Global has a subdivision, FM Approvals, that certifies the best building materials and products in the world. FM Approvals certifies building products through extensive testing and quality control reviews. A FM Global insured building made with FM Approved products will receive a discount to their insurance rate, because FM is confident that the building is built to the highest standard of safety and integrity.

What FM Approved products do we have?

Acralight Solar offers a FM aluminum and a FM thermal break curb mounted skylight. We also offer steel and aluminum Heat & Smoke Vents that are curb mounted or self-flashing. All FM Approved products are made with our Sky-Arc™/Sky-Tuff™ Polycarbonate domes and can be made as a single or double dome unit.

Where do we rank with our competitors?

Our FM Approved Skylights tested to the highest rating out of every FM Approved product in the market. Our skylights were tested and certified to a Class A Spread of Flame Rating at an angle of 5" in 12". Hail rating for our FM Skylight is Severe Hail with 2.0" ice balls. And finally, our Wind Uplift Rating is the best in the industry, with a rating of 195 pounds per square foot (psf)! That is 3 times the required rating for FM Approval.

Our Heat & Smoke Vents are also required to have an Uplift Rating of at least 60 psf. Our Vents are rated for 105 psf, 45 psf above the standard! The spring system in our FM Approved vents are rated with a snow load of 10 psf. And lastly, our Heat & Smoke Vent Domes are also rated for Severe Hail with ice balls up to 2.0" diameter.

Acralight Solar FM Approved Products

Skylights

Product	Listing Country	Width (ft)	Length (ft)	Glazing Type	Wind Uplift (psf)	Spread of Flame Rating	Hail Rating	Certification Type
A-FMS-CM	United States	4-5	4-8	Polycarbonate outer	195	Class A 5/12	SH with 2.0 in. diameter ice balls	FM Approved
A-FMS-DD-CM	United States	4-5	4-8	Polycarbonate outer, acrylic inner	195	Class A 5/12	SH with 2.0 in. diameter ice balls	FM Approved
A-FMS(TB)-CM	United States	4-5	4-8	Polycarbonate outer	195	Class A 5/12	SH with 2.0 in. diameter ice balls	FM Approved
A-FMS(TB)-DD-CM	United States	4-5	4-8	Polycarbonate outer, acrylic inner	195	Class A 5/12	SH with 2.0 in. diameter ice balls	FM Approved

*SH – Severe Hail

Heat & Smoke Vents

Product	Listing Country	Width (ft)	Length (ft)	Glazing Type	Wind Uplift (psf)	Snow Load (psf)	Hail Rating	Certification Type
S-FMSV2D-CM	United States	4-5	4-8	Polycarbonate outer	105	10	SH with 2.0 in. diameter ice balls	FM Approved
S-FMSV2D-SF	United States	4-5	4-8	Polycarbonate outer	105	10	SH with 2.0 in. diameter ice balls	FM Approved
S-FMSV2D-DD-CM	United States	4-5	4-8	Polycarbonate outer, acrylic inner	105	10	SH with 2.0 in. diameter ice balls	FM Approved
S-FMSV2D-DD-SF	United States	4-5	4-8	Polycarbonate outer, acrylic inner	105	10	SH with 2.0 in. diameter ice balls	FM Approved
A-FMSV2D-CM	United States	4-5	4-8	Polycarbonate outer	105	10	SH with 2.0 in. diameter ice balls	FM Approved
A-FMSV2D-SF	United States	4-5	4-8	Polycarbonate outer	105	10	SH with 2.0 in. diameter ice balls	FM Approved
A-FMSV2D-DD-CM	United States	4-5	4-8	Polycarbonate outer, acrylic inner	105	10	SH with 2.0 in. diameter ice balls	FM Approved
A-FMSV2D-DD-SF	United States	4-5	4-8	Polycarbonate outer, acrylic inner	105	10	SH with 2.0 in. diameter ice balls	FM Approved

*SH – Severe Hail



Certificate of Compliance

This certificate is issued for the following:

S-FMSV2D¹, A-FMSV2D¹, A-FMS²

Prepared for:

Acralight Solar LLC
4940 S Alvernon Way, Tucson, Arizona 85706, USA

FM Approvals Class: 4430¹, 4431²

Approval Identification: PR457696 Approval Granted: 2/2/2022

To verify the availability of the Approved product, please refer to www.approvalguide.com.

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, online resources of FM Approvals.

A handwritten signature in dark ink that reads 'Phillip J. Smith'.

Phillip J. Smith
VP - Manager of Materials
FM Approvals
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