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April 6, 2006

Mr. Martin Kolt
Active Ventilation Products
P.O. Box 1521
Newburgh, NY 12251-1521

Re: Live or Snow load rating of Aura Skylights

Dear Mr. Kolt;

I received samples of the roof lens for the AS-10 and the AS-14 skylights. The AS-10 has a 10 inch diameter polycarbonate lens with a 1.5 inch wide aluminum frame. The lens has an area of 0.54 square feet. The AS-14 has a 14 inch diameter polycarbonate lens with a 1.5 inch wide aluminum frame. The lens has an area of 1.06 square feet.

I supported the lens frame of the AS-10 between two supports and applied over 55 lbs of weight to the top side of the polycarbonate lens. Since the lens has an area of 0.54 square feet the test is equivalent to 100 lbs per square foot. There was some flexing of the polycarbonate lens and some bending of the aluminum frame, but the lens was able to support the weight. The same testing was performed on the AS-14 with over 110 lbs of weight applied to the polycarbonate lens. The results were the same. When over 200 lbs was applied to the lens, it broke.

Based on these tests, I can affirm that both of these units (AS-10 & AS-14 roof lenses) can support 100 lbs per square foot of live load if properly installed on the roof.

If you have any other questions please feel free to call me.

Sincerely,


Jonathan Ottenstein P.E.

