

6 Conclusion

The results of the Class 'A' System Fire Class Rating of Photovoltaic Panels with Mounting Systems in Combination with Roof Coverings, For Low Slope Applications is stated in the following table. The Renusol VS Tilt mount was provided by Renusol America Inc. and testing included the use of Type 1 photovoltaic panels. Testing was conducted per UL 1703, 2002 Edition (rev. Oct 2015) Section 31.2 and UL 2703, 2015 Edition, Sections 15.2 and 15.3. *"Standard Test Methods for Fire Tests of Roof Coverings"*.

Sample	Surface Material	Test	Rating
9	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, South Flame.	Spread of Flame	Pass
10	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, North Flame.	Spread of Flame	Pass
11	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, North Flame.	Spread of Flame	Pass
12	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, East Flame.	Spread of Flame	Pass
13	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, East Flame.	Spread of Flame	Pass
14	Renusol VS Tilt mounting system with Type 1 panel & wind deflector, South Flame.	Spread of Flame	Pass

The Renusol America Inc. mounting system, Renusol VS Tilt and Type 1 photovoltaic panel met the requirement for a Class A fire application in accordance with UL 1703, 2002 Edition (rev. Oct 2015) Section 31.2 and UL 2703, 2015 Edition, Sections 15.2 and 15.3. *“Standard Test Methods for Fire Tests of Roof Covering”* for low slope applications.

Per Section 31.2.2.1 of UL 1703 (rev. Oct 2015) the rating obtained for a 5-inch (127 mm) gap between the bottom of the module frame and the roof covering surface can be used for any other gaps allowed by the mounting instructions.

Per Section 31.2.1.6 of UL 1703 (2014) the rating obtained for a 10° inclination can be used for any greater inclinations stated in the mounting instructions.


A wind deflector across the far south face and far north face is required with a 1 ¾” gap.

This report does not automatically imply product certification. Products must be under a certification program and bear the Warnock Hersey registered certification mark to demonstrate compliance.

INTERTEK TESTING SERVICES NA

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