



Varenes, November 16th, 2020

Ms. Maude Lévesque
Soprema Inc.
1688 Jean-Berchmans-Michaud
Drummondville, Qc, J2C 8E9

Subject: Wind resistance test of modular vegetated roof assembly
Reference: AS-01424-C

Ms. Lévesque,

As per your request, *UL Laboratory Canada Inc.* conducted a wind resistance test of a modular vegetated roof assembly as per CSA A123.24. The test was performed on October 14th, 2020. The test was carried out in accordance with CSA A123.24-15 *Standard test method for wind resistance of modular vegetated roof assembly*. The roofing system uplift report as per CSA A123.21 is available from *Soprema Inc.*.

The modular vegetated roof assembly is described in the table below:

Components	System #2 Tundra box
Root Barrier	SOPRABARRIER 20
Drainage Layer	Module tray with drain channels
Water Retention Layer	N/A
Vegetation	Module tray with pre-grown vegetation
Edge Details	Metal edges
System weight	106.39 kg/m ² (21.79 lb/ft ²)
System nominal thickness	110.5 mm (4.35 in)

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The Toundra box system did not fail. The test was stopped after sustaining the wind speed of 200 km/h (124 mph). Therefore, the sustained wind speed is 200 km/h (124 mph) and the wind flow resistance (with a safety factor of 1.5) is 133 km/h (83 mph).

Please refer to report AS-01424-A for the roofing system details, full installation and testing procedure.

We trust the above is satisfactory. Should you have any questions, please do not hesitate to contact the undersigned.

Yours truly,

A handwritten signature in blue ink that reads "Justin Chagnon-Lafrance, Jr.".

Justin Chagnon-Lafrance, Jr. Eng.
Project Manager, Materials and Systems Testing
UL Laboratory Canada Inc.