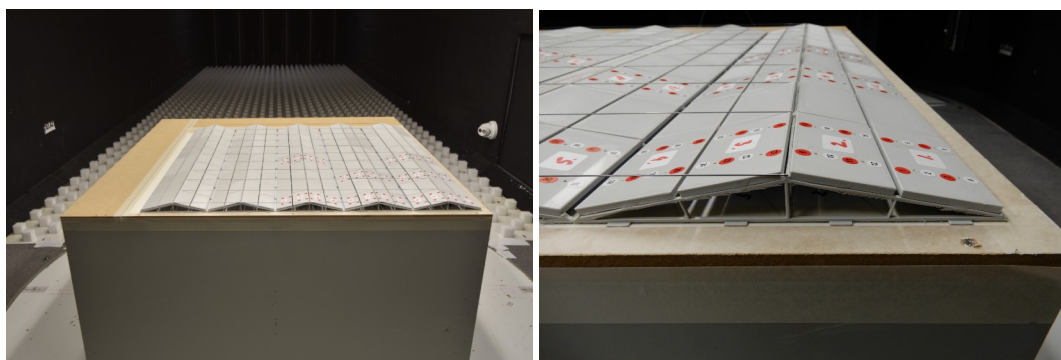


Certificate

subject: Wind tunnel studies into wind loading on PV panel supports on flat roofs
date: June 5th, 2025
reference: MvU/W 15624-3E-NO
from: ir. G.M. van Uffelen, Peutz bv
to: RABLE of Delft, The Netherlands

For RABLE, wind tunnel studies have been performed by Peutz bv to determine the wind loading on their large span PV panel support system for flat roofs. The measurements have been performed in an atmospheric boundary layer wind tunnel upon using scale models for the symmetrical East-West facing systems, where groups of four panels have been coupled at large span triangular constructions. Several different roof layouts have been tested. The constructions are further coupled in the longitudinal direction by trusses and in the cross direction with span cables. Therefore, larger coupled groups have been assessed as well. The results of our wind tunnel studies have been implemented in their XLSX calculation tool. The application and interpretation of our results by RABLE have been checked thoroughly by Peutz bv and match the assumption and findings as laid down in report W 15624-2E-RA-001 dated April 9th, 2025.



Conformity: CUR Recommendation 103: 2005
NEN 7250: 2021
NEN-EN 1990: 2019
NEN-EN 1991-1-4: 2019

Mook,

peutz bv, postbus 66, 6585 zh mook, +31 85 822 86 00, info@peutz.nl, www.peutz.nl kvk 12028033, conditions in accordance with DNR 2011, member NLingenieurs, btw NL.004933837B01, ISO-9001:2008