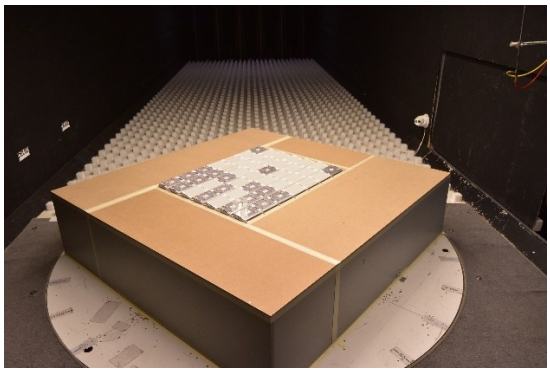
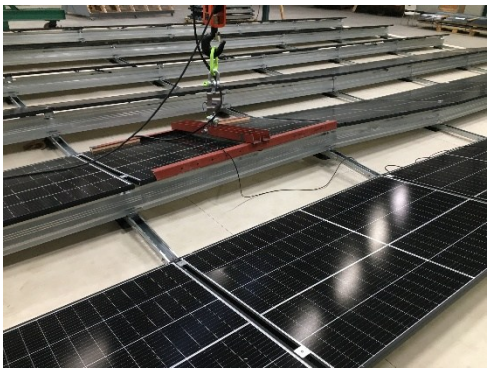
Certificate

subject:	Enstall Connect Single XL calculator
date:	October 29, 2026
reference:	MvU/lvdW/WB 15389-6E-NO-002
from:	ir. G.M. van Uffelen
to:	Enstall EU Holding B.V. - Deventer

On request of the Enstall Group, Peutz has reviewed the Enstall ballast calculator algorithm for the Connect Single XL PV-mounting system for flat roofs. Originally, the Connect Series product was developed and marketed by Blubase. As it is part of the Enstall Group, it was decided to rebrand Blubase Connect to Enstall Connect Series.
This certificate concerns an evaluation of the Enstall calculator for the required ballast in Connect Single XL systems, with and without side panels. It is based upon the normalized effective wind area approach from the American SEAOC PV2-2017 guidelines. The photographs show a scale model in the Peutz wind tunnel and a dedicated full-scale lift/coupling test in the Enstall test lab in Deventer.

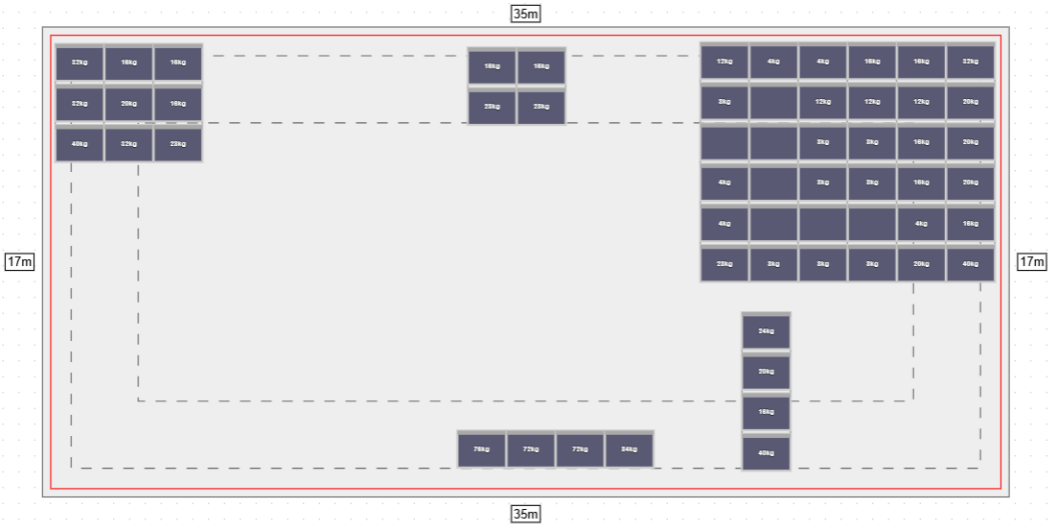




This is based on the specific wind tunnel research conducted by Peutz into the wind load on the Connect mounting system for flat roofs. These multiple, extensive and dedicated wind tunnel studies, specifically for this system, were carried out by Peutz in 2024 and 2026.

Based on extensive mechanical lift/coupling tests carried out by Enstall with (improved) system connections in 2023, conforming to NEN 7250:2021 appendix D.5, see the right photograph, the actual degree of interconnection of the systems was determined and processed by Peutz into the wind tunnel data. These have been incorporated in the aforementioned Enstall calculator.

A screen dump has been depicted for the South facing system-module positions.



We hereby declare, after studying and testing the calculator, that Enstall does indeed correctly use the wind tunnel measurements of the Connect Single XL system, which have been combined with the mechanical lift tests into the wind tunnel data. The approach and method used by Enstall when applying this calculator have been tested and approved by us in several reference projects.

Conformity:
CUR Recommendation 103: 2005
NEN 7250: 2021
NEN-EN 1990: 2019
NEN-EN 1991-1-4: 2019
SEAOC PV2, Solar Photovoltaic Systems Committee, Wind Design for Solar Arrays, 2017

This note contains 2 pages

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