Wind certificate

PVshelter and RoofSupport

Conduct emphasizes quality product program with wind certification

With pride, Conduct announces that the PVshelter inverter mounting frames and RoofSupport cable management systems, developed based on TNO guidelines, are wind certified.

The PVshelter models developed by Conduct proved to be more than capable of withstanding hurricane forces simulated in the Peutz wind tunnel.

Similarly, various RoofSupport cable management systems demonstrated resilience to the maximum possible wind forces in the wind tunnel. The standard RoofSupport product line, based on the 1 kg heavy roof support, with a spacing of 1.20 meters and equipped with the maximum number of cables recommended by Conduct, provides sufficient ballast to prevent overturning or shifting.

The recently introduced RoofBlock XL, weighing 3.5 kg, also proved to be sufficiently resistant to hurricane forces with a spacing of 2 meters.

Through the obtained certificates, Conduct emphasizes the qualitative characteristics of the systems now installed throughout Europe. Conduct provides the guarantee to installers and end-users that the delivered systems meet the requirements, even in the most severe storms.

Certificate standards

- CUR Recommendation 103:2005
- NEN7250: 2021
- NEN-EN 1990: 2019
- NEN-EN 1991-1-4: 2019

Performed wind tunnel studies

1. RoofSupport - RoofBlock with cable trays on flat roofs
2. RoofSupport - RoofBlock XL with cable trays on flat roofs
3. PVshelter on flat roofs
4. PVshelter Angled on flat roofs

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Information about Peutz

Peutz is the only independent consultancy in Europe with its own wind tunnel. Thanks to this wind tunnel and special computer programs, they simulate the wind to flow around a model or mock-up to investigate what happens. Peutz has over 35 years of experience with these wind tunnel studies.

Questions?

Please find the official documentation on the next page. For questions, don't hesitate to contact our sales department.

sales@conduct.nl or +31 (0) 180 53 11 20

Wind tunnel studie 1

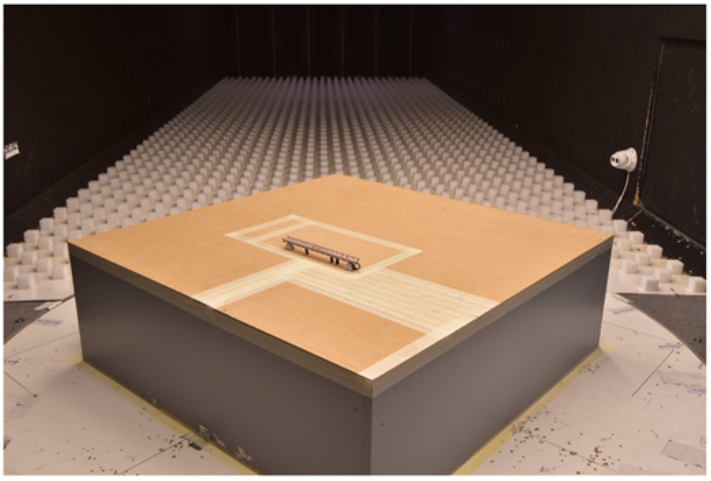
RoofSupport - RoofBlock with cable trays on flat roofs

PEUTZ

Certificate

subject: Wind tunnel studies into wind loading on RoofSupport RoofBlock with cable trays on flat roofs
date: October 9th, 2023
reference: MvU/W 15604-2-NO-001
from: ir. G.M. van Uffelen, Peutz bv
to: Conduct

For Conduct of Barendrecht, The Netherlands, wind tunnel studies have been performed by Peutz bv to determine the wind loading on their RoofSupport RoofBlock cable tray mounting systems for flat roofs. The measurements have been performed in an atmospheric boundary layer wind tunnel upon using scale models. Several positions on the roofs have been tested. Conduct have elaborated the results in their calculation tool. The application and interpretation of our results have been checked thoroughly and match the assumptions and findings as laid down in report W 15611-3E-RA-001dated October 9th, 2023 .



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

W 15604-2-NO-001 1

Wind tunnel studie 2

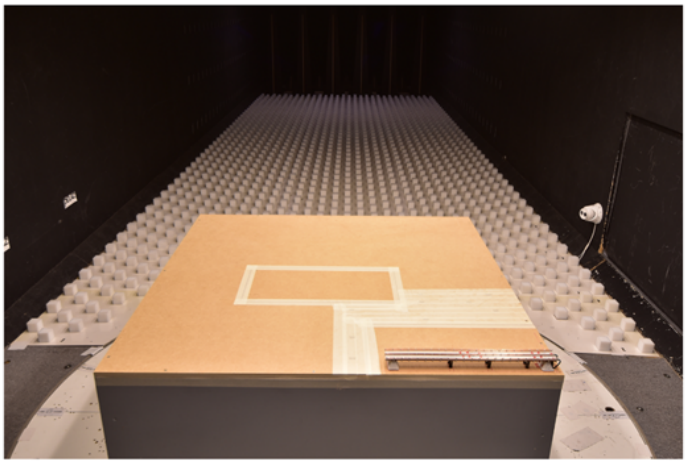
RoofSupport - RoofBlock XL with cable trays on flat roofs

PEUTZ

Certificate

subject: Wind tunnel studies into wind loading on RoofSupport RoofBlock XL with cable trays on flat roofs
date: October 9th, 2023
reference: MvU/W 15604-2-NO-002
from: ir. G.M. van Uffelen, Peutz bv
to: Conduct

For Conduct of Barendrecht, The Netherlands, wind tunnel studies have been performed by Peutz bv to determine the wind loading on their RoofSupport RoofBlock XL cable tray mounting systems for flat roofs. The measurements have been performed in an atmospheric boundary layer wind tunnel upon using scale models. Several positions on the roofs have been tested. Conduct have elaborated the results in their calculation tool. The application and interpretation of our results have been checked thoroughly and match the assumptions and findings as laid down in report W 15611-3E-RA-001dated October 9th, 2023 .



Conformity: CUR Recommendation 103: 2005
NEN 7250: 2021
NEN-EN 1990: 2019
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W 15604-2-NO-002 1

Wind tunnel studie 3

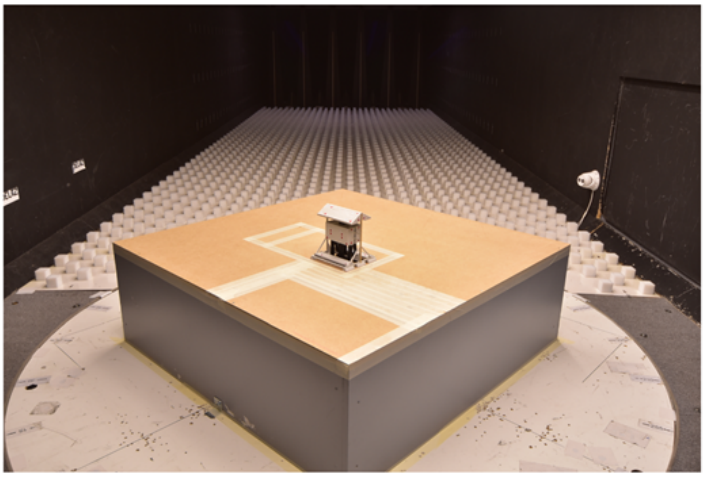
PVshelter on flat roofs

PEUTZ

Certificate

subject: Wind tunnel studies into wind loading on PVshelter on flat roofs
date: October 9th, 2023
reference: MvU/W 15604-2-NO-003
from: ir. G.M. van Uffelen, Peutz bv
to: Conduct

For Conduct of Barendrecht, The Netherlands, wind tunnel studies have been performed by Peutz bv to determine the wind loading on their PVshelter for the placing of inverters on flat roofs. The measurements have been performed in an atmospheric boundary layer wind tunnel upon using scale models. Several positions on the roofs have been tested. Conduct have elaborated the results in their calculation tool. The application and interpretation of our results have been checked thoroughly and match the assumptions and findings as laid down in report W 15611-3E-RA dated October 9th, 2023 .



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

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W 15604-2-NO-003 1

Wind tunnel studie 4

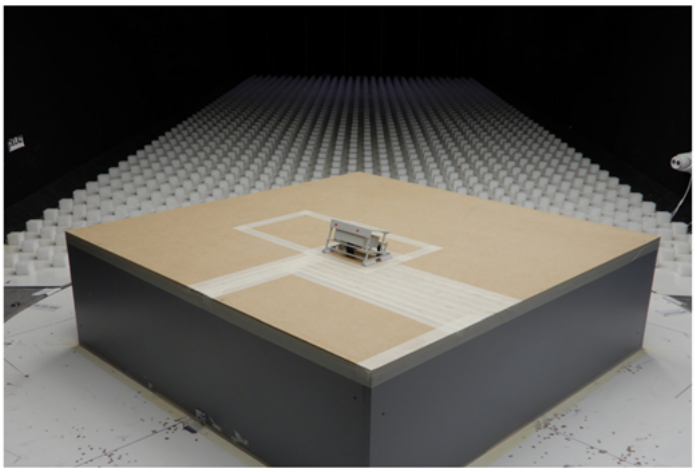
PVshelter Angled on flat roofs

PEUTZ

Certificate

subject: Wind tunnel studies into wind loading on PVshelter Angled on flat roofs
date: October 9th, 2023
reference: MvU/W 15604-2-NO-004
from: ir. G.M. van Uffelen, Peutz bv
to: Conduct

For Conduct of Barendrecht, The Netherlands, wind tunnel studies have been performed by Peutz bv to determine the wind loading on their PVshelter Angled for the placing of inverters on flat roofs. The measurements have been performed in an atmospheric boundary layer wind tunnel upon using scale models. Several positions on the roofs have been tested. Conduct have elaborated the results in their calculation tool. The application and interpretation of our results have been checked thoroughly and match the assumptions and findings as laid down in report W 15611-3E-RA dated October 9th, 2023 .



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

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W 15604-2-NO-004 1