



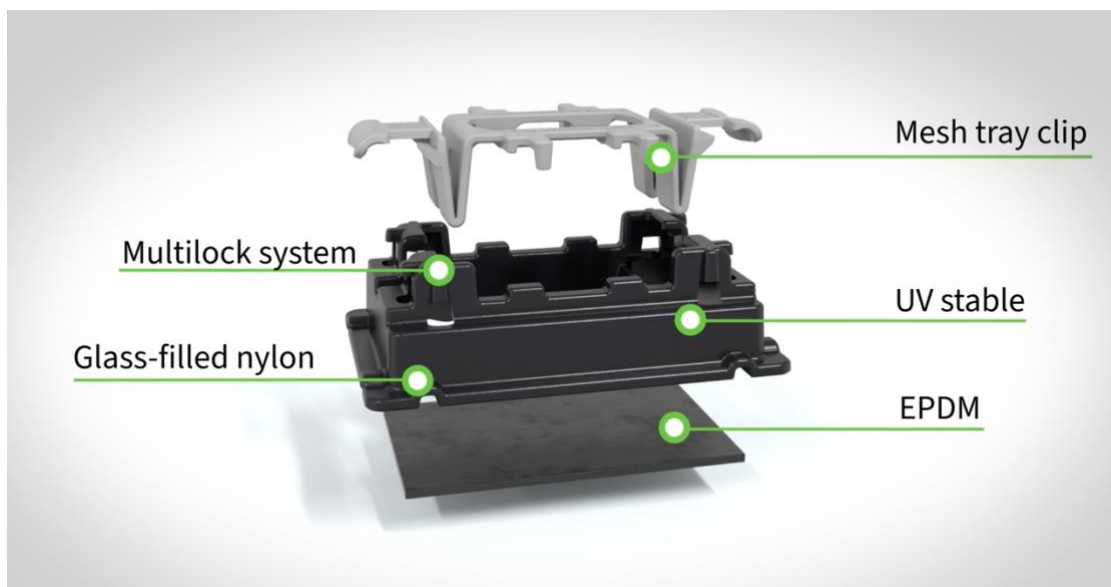
Installation Manual Mesh tray

PVX Minimount®

1. Introduction

The PVX Minimount is a wind-certified and FEM-analyzed mounting system developed by PVX Mounting Systems. It is designed for installing mesh trays on slope roofs and walls. The system combines easy installation with maximum stability and is compatible with all mesh tray brands.

This manual describes the correct mesh tray installation procedure for a safe and durable installation of the PVX Minimount. For slope roof installation: see page 3 onward. For wall installation: see page 7 onward.



 Visual 1.1 – PVX Minimount+ exploded view



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2. Safety & Preparation

Read this manual carefully before starting the installation. The installer is responsible for complying with all applicable safety and construction standards, including:

- **NEN-EN 1991-1-4:2011** – Wind loads
- **NEN 7250:2014** – Integration of photovoltaic systems in and on buildings

Before installation, make sure that:

- the roof surface is clean, level, and stable;
- there are no obstacles along the cable route;
- the correct support spacing has been calculated using the **PVX Calculator**.

Note:

According to **NEN 1010 clause 134.1.1**, an installation must be carried out in accordance with the manufacturer's instructions. Therefore, the use of the **PVX Calculator** is mandatory to meet the conditions of the application warranty. The product warranty remains valid at all times.



 Visual 2.1 – Logo PVX Calculator



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3. Step-by-step installation

Step 1 - Preparation

Suitable for mesh trays 60-200 mm wide. Mark the positions of the first and last PVX Minimounts according to the calculated support spacing. Check that all required components are present.

Step 2 - Placement of the Supports

Ensure that the PVX Minimount is level on the roof surface.


Step 3 - Alignment check

Use a string line to check the alignment of the mounts. Adjust the positions slightly if necessary.

Step 4 - Preparation for mesh tray installation

Remove the wire mesh tray clip by simultaneously squeezing it from both sides.



 Visual 3.1 - Removing mesh tray clip



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Step 5 - Installation of PVX Minimount on sloped roof

Secure the PVX Minimount to the surface using a screw with an EPDM washer, suitable for a 6.3 mm screw hole (*screw and EPDM washer not included*).



📷 Visual 3.2 - Placement of mesh tray

Step 6 - Mesh tray grid longitudinal wires

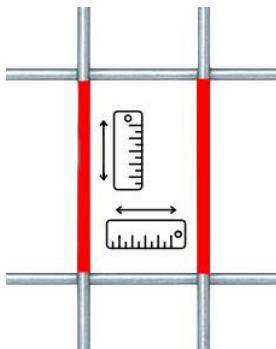
⚠️ Installation in this manner always requires two longitudinal wires.

For installation on the longitudinal wires (max Ø6.2 mm):

- a minimum available grid length of **85 mm** is required, and
- a spacing of **45–50 mm**, measured from the inside.



📷 Visual 3.3 - Red: Longitudinal wires



📷 Visual 3.4 - Close-up mesh tray grid



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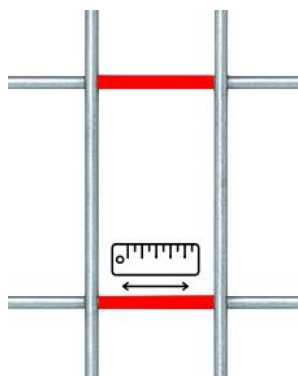
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Step 7 - Mesh tray grid cross wire

For installation **on the cross wire (max Ø6.2 mm)**, an available grid width of **45-50 mm** is required, measured from **the inside of the cross wire (!)**.



Visual 3.5 - Red: Cross wire



Visual 3.6 - Close-up mesh tray grid

Step 8 - Placing the mesh tray

Place the mesh tray into the carrier. When installing on **the longitudinal wires**, the **Multilock system** prevents the mesh tray from coming loose. When installing **solely** on the cross wire, the mesh tray must be held manually while securing the mesh tray clip.



Visual 3.7 - Placing mesh tray



Visual 3.8 - Multilock System



Step 9 - Installing the mesh tray clip

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Place the wire mesh tray clip onto the carrier and press it down until a **distinct click** is heard. The wire mesh tray clip is now correctly installed.



 Visual 3.9 - Installing mesh tray clip



 Visual 3.10 - Mesh tray clip installed

Step 10 - Final Inspection

Walk along the entire route to check that all PVX Minimounts are correctly installed, the alignment is maintained, and the mesh tray is properly supported everywhere



Step 1 - Installing PVX Minimount on wall

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Secure the PVX Minimount to the surface using a screw with an EPDM washer, suitable for a 6.3 mm screw hole (*screw and EPDM washer not included*).



Visual 3.9 - Installing screw

Step 2 - Mesh tray grid cross wire

For installation **on the cross wire (max Ø6.2 mm)**, an available grid width of **45-50 mm** is required, measured from **the inside of the cross wire (!)**.



Visual 3.10 - Red: Cross wire



Visual 3.11 - Red: Inside of cross wire



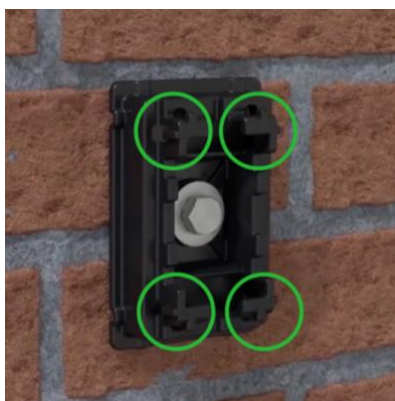
Step 3 - Installing the mesh tray

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Vertical installation is always done on the cross wire. When mounting on the top of the carrier, the Multilock system prevents the mesh tray from coming loose while securing the mesh tray clip. When placing the mesh tray in the center, it must be held manually during the installation of the mesh tray clip.



Visual 3.12 - Installing mesh tray



Visual 3.13 - Multilock system

Step 4 - Installing the mesh tray clip

Place the mesh tray clip onto the carrier and press it firmly until a **distinct click** is heard. The mesh tray clip is now properly locked.



Visual 3.14 - Installing mesh tray clip



Visual 3.15 - Mesh tray clip installed



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Step 5 - Final Inspection

Walk along the entire route to check that all PVX Minimounts are correctly installed, the alignment is maintained, and the mesh tray is properly supported everywhere.

4. Warranty and Compliance

The **product warranty** from **PVX Mounting Systems** is automatically valid for all delivered products, regardless of the application. This warranty exclusively covers product quality, material properties, and workmanship under normal use.

The **application warranty** is only valid when:

1. An **approved calculation** has been performed for the project using the **PVX Calculator**, and
2. The installation has been carried out according to the calculated support distance and applicable installation instructions.

The use of the **PVX Calculator** is therefore mandatory to be eligible for the application warranty.

Product warranty: 15 years

Application warranty: 15 years with PVX Calculator (with approved calculation)

Standards:

- NEN-EN 1991-1-4:2011
- NEN 7250:2014
- CUR Recommendation 103:2005



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5. Product links

PVX Minimount Installation Video:

<https://youtu.be/G14QHVsaU28?si=JVrTIQWZGjDGOmjf>

PVX Calculator:

<https://pvxmountingsystems.com/pvx-calculator/>

3D - Augmented reality PVX Minimount:

<https://vulp.studio/pvxmultimount/pvxminimount/nl-NL/?customize-hotspot-fill-color=52ae32&customize-hotspot-stroke-color=00000000&hotspot-button=1&color=default&cg-clip=none&hotspots=1>

Website PVX Mounting Systems - PVX Minimount:

<https://pvxmountingsystems.com/schuin-dak-muur/>

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