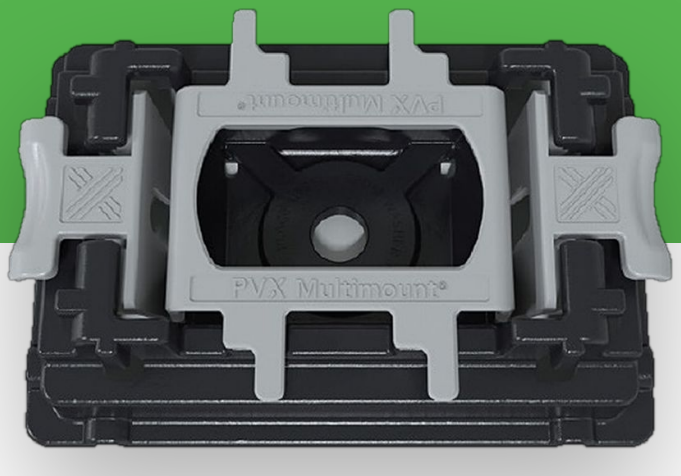
PVX Mounting Systems®
THE STANDARD IN CABLE MANAGEMENT

INSTALLATION MANUAL

PVX CABLE MANAGEMENT · PITCHED ROOF & WALL

PVX MINIMOUNT®

Mounting mesh tray on a pitched roof or a wall, step by step.



A

PART A · PAGE 4

PITCHED ROOF

Mesh tray 60–200 mm, on the longitudinal wires or the cross wire

B

PART B · PAGE 6

WALL

Mesh tray 60–200 mm, vertical on the cross wire

1 · INTRODUCTION

ABOUT THIS MANUAL.

The PVX Minimount® is a wind certified and FEM-analysed mounting system from PVX Mounting Systems for mounting mesh tray on pitched roofs and walls. The system combines simple installation with maximum stability and is suitable for all brands of mesh tray.

This manual describes installation on a **pitched roof (part A)** and on a **wall (part B)**. Steps 1 to 4 apply to both.

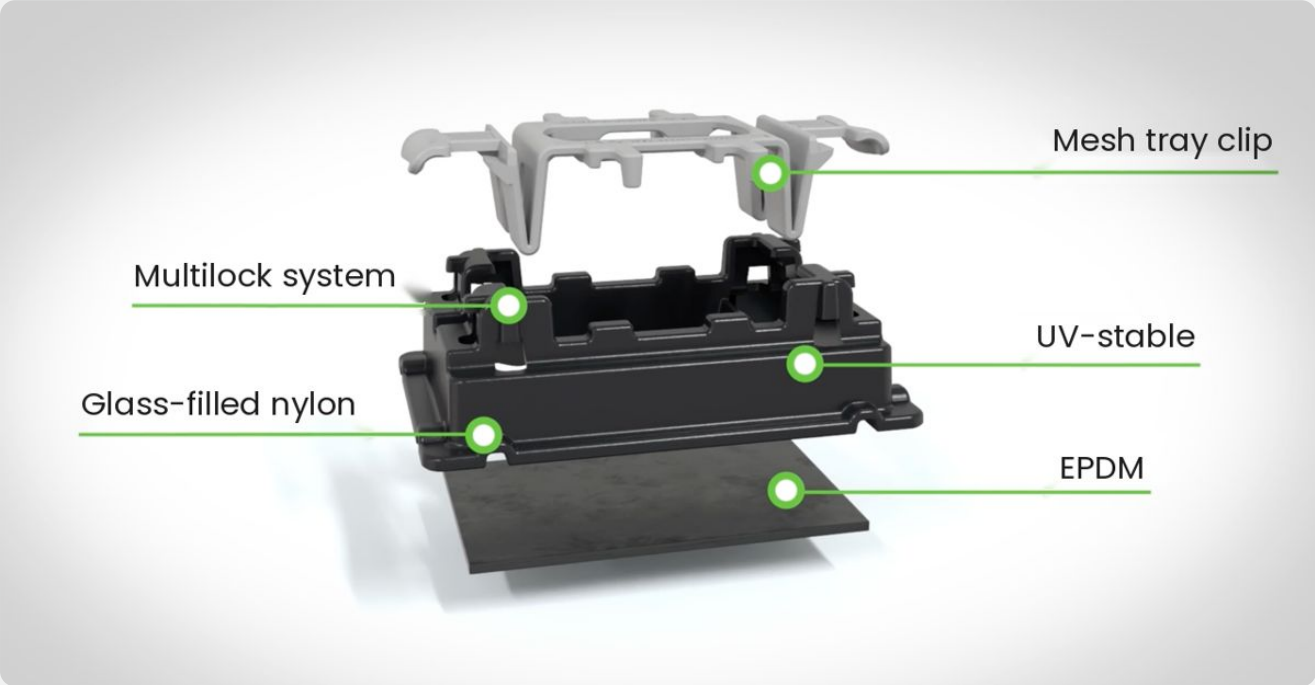


Figure 1.1 – PVX Minimount, exploded view

2 · SAFETY AND PREPARATION

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

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

Before installation, check that:

- the surface (roof or wall) is clean, level and stable;
- there are no obstacles in the cable route;
- the correct support spacing has been calculated with the PVX Calculator.

PVX CALCULATOR

Note: according to NEN 1010, clause 134.1.1, an installation must be carried out in accordance with the manufacturer's instructions. Using the PVX Calculator is therefore mandatory to meet the conditions of the application warranty. The product warranty remains in force at all times.

PLACING THE MINIMOUNTS.

Steps 1 to 4 apply to both pitched roof and wall.

1 Preparation

Suitable for mesh tray 60–200 mm wide. Mark the positions of the first and last PVX Minimount according to the calculated support spacing. Check that all parts are present.

2 Placement

Make sure the PVX Minimount lies flat on the surface.

3 Alignment

Check the alignment with a taut string line. Adjust the positions slightly if necessary.

4 Remove the mesh tray clip

Squeeze the mesh tray clip on both sides at the same time and remove it.



THE MANUAL AT A GLANCE

FROM ROOF TO DONE.

1 2 3 4

Prepare

mark · place · align · clip off

›

A **Pitched roof**
page 4–5

or

B **Wall**
page 6–7

›

✓

Done

save the project PDF from the PVX Calculator

A PART A · PITCHED ROOF

A1 Screw the PVX Minimount in place

Fix the PVX Minimount to the roof with a screw through the screw hole.

> **Note:** suitable for a Ø 6.3 mm screw with EPDM sealing washer. Screw and EPDM sealing washer are not supplied.



A1 – Installation on a pitched roof

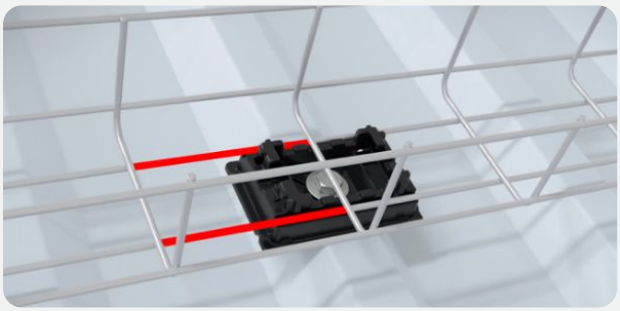
A2 Choose the position in the grid

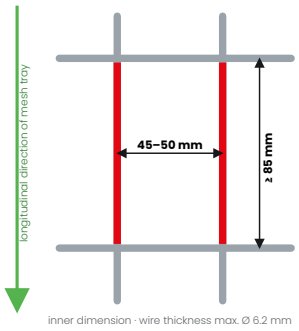
The PVX Minimount clamps the mesh tray onto the wires of the grid. Choose one of the two options. Red always marks the section of wire that goes into the PVX Minimount.

1 On the longitudinal wires

Always two longitudinal wires

Mounting on two longitudinal wires. Free length between two cross wires at least 85 mm, spacing 45–50 mm (inner dimension).

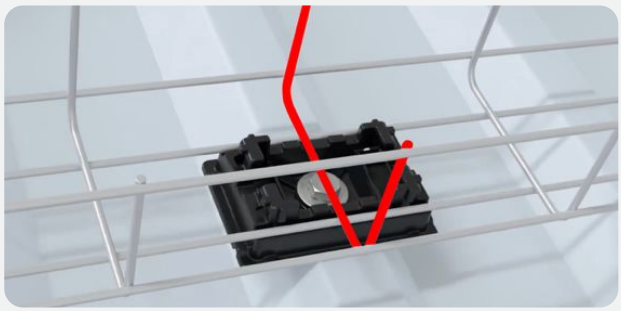


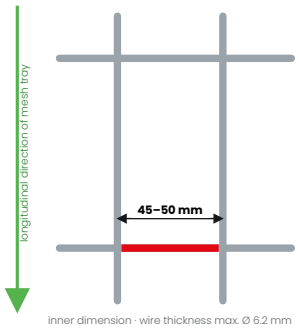


2 On the cross wire

Grid width 45–50 mm

Mounting on the cross wire. The section of cross wire that goes into the PVX Minimount must be 45–50 mm (inner dimension).





> **Note:** the wire thickness is max. Ø 6.2 mm. Always measure the inner dimension, from the inside of one wire to the inside of the other.

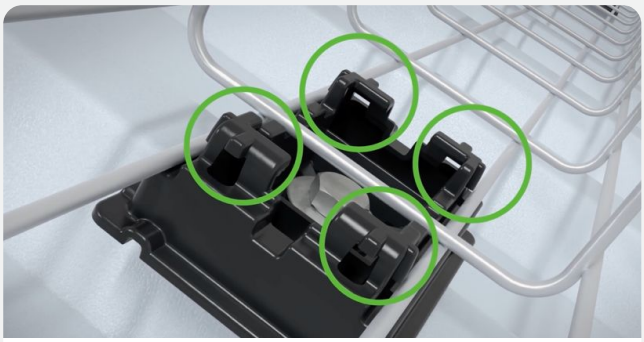
A PART A · PITCHED ROOF

A3 Place the mesh tray

Place the mesh tray in the PVX Minimount. When mounting on the longitudinal wires, the Multilock system prevents the mesh tray from coming loose. Mounting on the cross wire only? Then hold the mesh tray by hand while you fit the mesh tray clip.



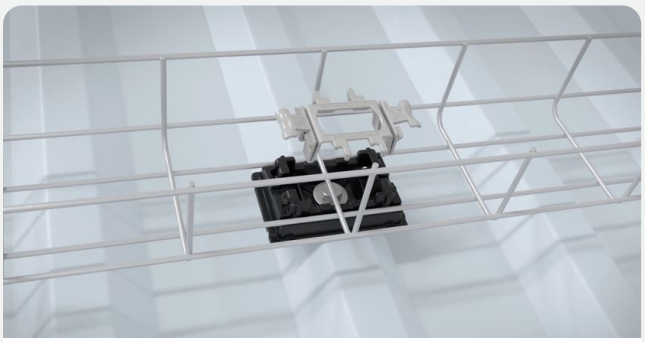
A3 – Placing the mesh tray



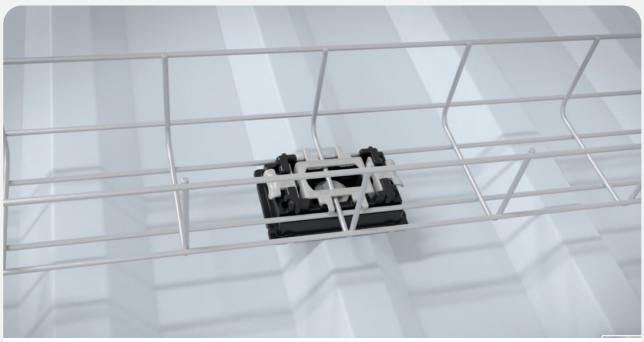
Multilock system

A4 Install the mesh tray clip

Place the mesh tray clip on the PVX Minimount and press it down firmly until you hear a clear click. The click confirms that the clip is correctly locked.



A4 – Fitting the clip



Mesh tray clip installed

A5 Final inspection

Walk the entire route: are all PVX Minimounts positioned correctly, is the alignment maintained and is the mesh tray properly secured and supported everywhere?

Done. Save the project PDF from the PVX Calculator. You need it as proof for the application warranty.

B PART B · WALL

On a wall you mount the mesh tray vertically, always on the cross wire. First carry out steps 1 to 4 (page 3).

B1 Screw the PVX Minimount in place

Fix the PVX Minimount to the wall with a screw through the screw hole.

> **Note:** suitable for a Ø 6.3 mm screw with EPDM sealing washer. Screw and EPDM sealing washer are not supplied.

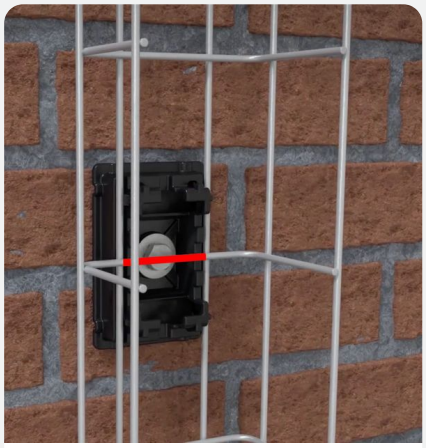


B1 – Installation on the wall

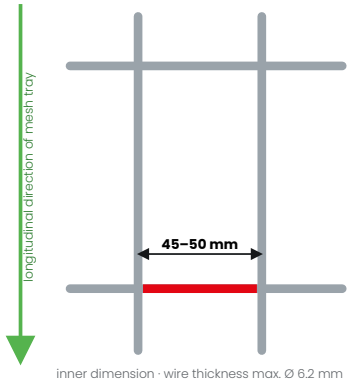
B2 Position on the cross wire

The section of cross wire that goes into the PVX Minimount must be 45–50 mm (inner dimension). The wire thickness is max. Ø 6.2 mm.

> **Note:** never mount on the longitudinal wires on a wall, otherwise the mesh tray will not hold properly.



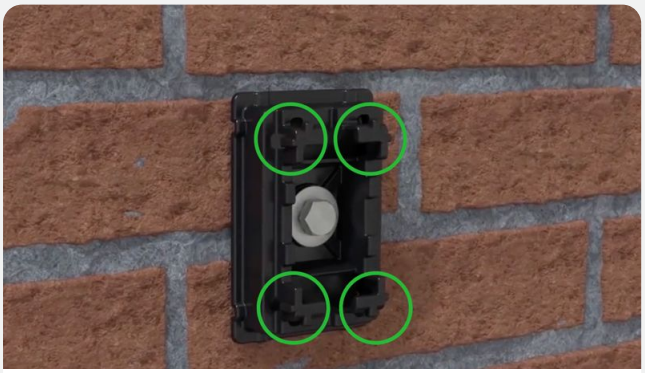
B2 – Red: cross wire



Inner dimension 45–50 mm

B3 Place the mesh tray

Place the mesh tray vertically on the PVX Minimount, on the cross wire. When mounting at the top of the PVX Minimount, the Multilock system prevents the mesh tray from coming loose while you fit the clip. Placing the mesh tray in the middle? Then hold it by hand while you fit the clip.



Multilock system



B3 – Placing the mesh tray

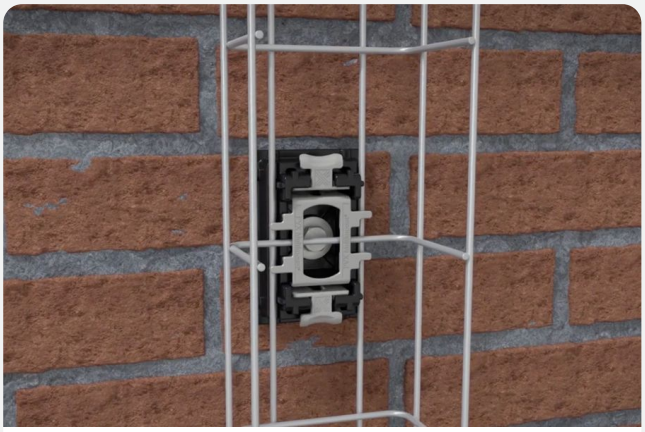
B PART B · WALL

B4 Install the mesh tray clip

Place the mesh tray clip on the PVX Minimount and press it down firmly until you hear a clear click. The click confirms that the clip is correctly locked.



B4 – Fitting the clip



Mesh tray clip installed

B5 Final inspection

Walk the entire route: are all PVX Minimounts positioned correctly, is the alignment maintained and is the mesh tray properly secured and supported everywhere?

Done. Save the project PDF from the PVX Calculator. You need it as proof for the application warranty.

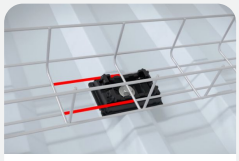
INSTALLATION AT A GLANCE

PITCHED ROOF AND WALL IN 5 STEPS.

A Pitched roof



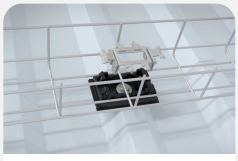
A1 Screw in place



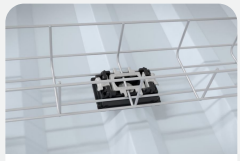
A2 Choose grid



A3 Place mesh tray



A4 Clip on



A5 Check

B Wall



B1 Screw in place



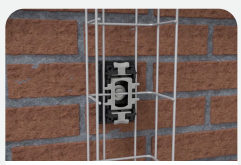
B2 Cross wire



B3 Place mesh tray



B4 Clip on



B5 Check

Always start with steps 1–4 (page 3): mark positions, place and align the PVX Minimounts and remove the clip.

15-YEAR WARRANTY.

15 years
Product warranty

Applies as standard to all supplied products, regardless of the application. Covers product quality, material properties and workmanship under normal use.

15 years
Application warranty

Only applies when an approved calculation has been made for the project with the PVX Calculator, and the installation has been carried out according to the calculated support spacing and the applicable installation instructions.

Using the PVX Calculator is therefore mandatory to be able to claim the application warranty.

Standards: NEN-EN 1991-1-4:2011 · NEN 7250:2014 · CUR Aanbeveling 103:2005

5 · LINKS

Installation video PVX Minimount
https://youtu.be/G14QHVsaU28

PVX Calculator
https://pvxmountingsystems.com/en/pvx-calculator/

3D / augmented reality PVX Minimount
https://vulp.studio/pvxmultimount/pvxminimount/nl-NL...

PVX Minimount on the website
https://pvxmountingsystems.com/en/

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