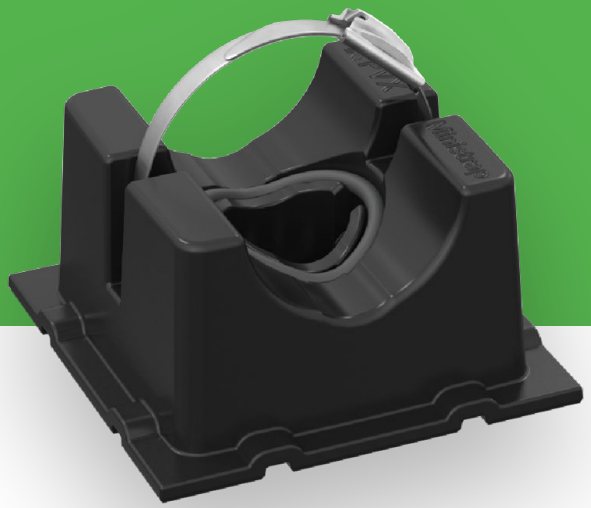
PVX Mounting Systems®
THE STANDARD IN CABLE MANAGEMENT

INSTALLATION MANUAL

PVX CABLE MANAGEMENT · PITCHED ROOF & WALL

PVX MINISTRAP®

Mounting tube on a pitched roof or a wall, step by step.



A

PART A · PAGE 4

PITCHED ROOF

Tube Ø 16–32 mm, secured with stainless steel tie wrap

B

PART B · PAGE 5

WALL

Tube Ø 16–32 mm, vertical on the wall

1 · INTRODUCTION

ABOUT THIS MANUAL.

The PVX Ministrap® is a wind certified and FEM-analysed mounting system from PVX Mounting Systems for mounting tube (Ø 16–32 mm) on pitched roofs and walls. Thanks to the EPDM layer on the underside, the installation is watertight. The tube is secured with the supplied stainless steel tie wrap.

This manual describes installation on a **pitched roof (part A)** and on a **wall (part B)**. Steps 1 to 3 apply to both.

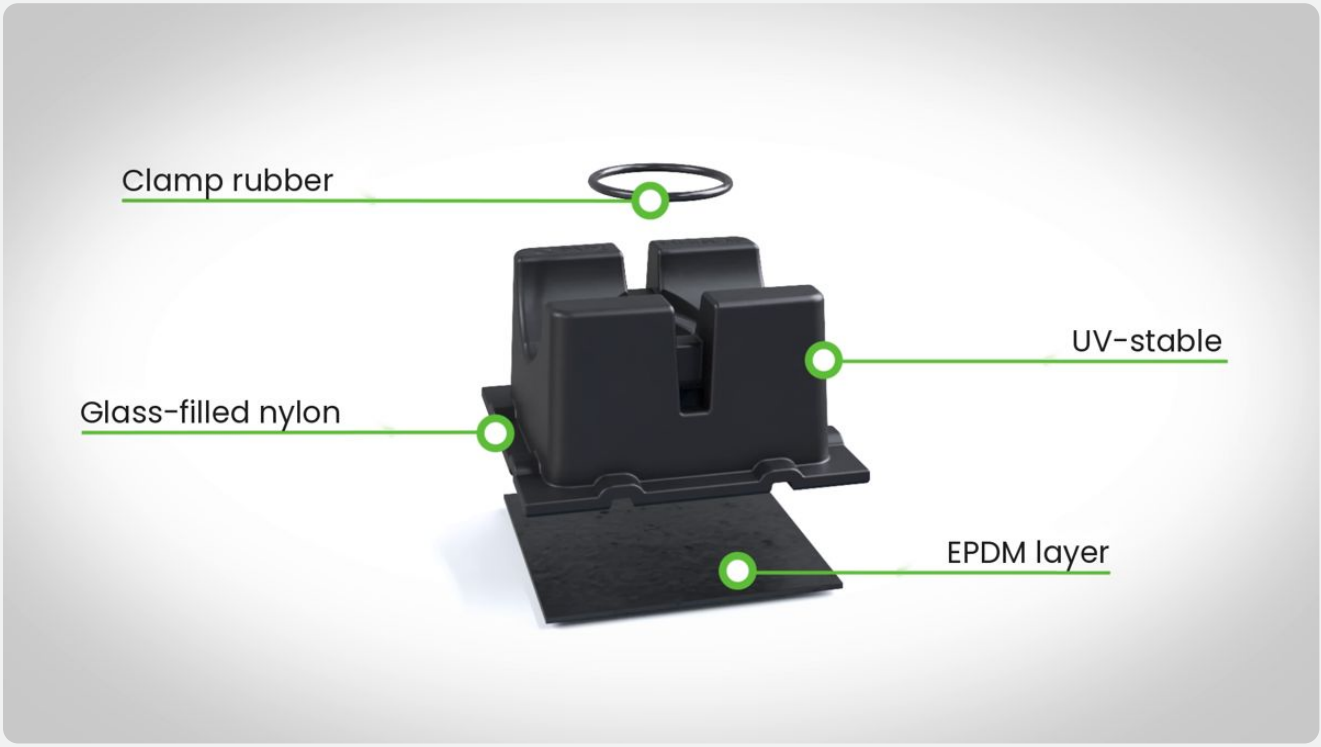


Figure 1.1 – PVX Ministrap, exploded view

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 MINISTRAPS.

Steps 1 to 3 apply to both pitched roof and wall.

1 Preparation

Suitable for tube Ø 16–32 mm. Mark the positions of the first and last PVX Ministrap according to the calculated support spacing. Check that all parts are present.

2 Placement

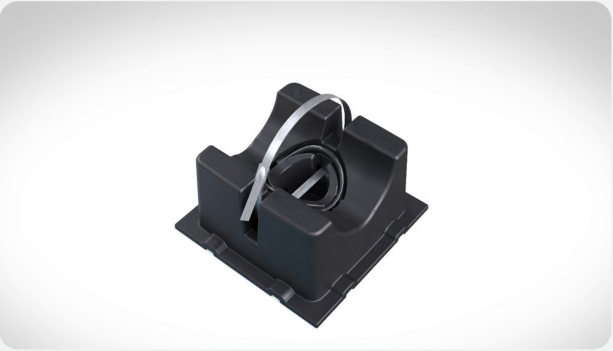
Make sure the PVX Ministrap lies flat on the surface with its EPDM layer.

3 Alignment

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

i Stainless steel tie wrap

The PVX Ministrap has two tie wrap openings. Insert the supplied stainless steel tie wrap through them to secure the tube. You can do this beforehand or after the tube has been placed.



THE MANUAL AT A GLANCE

FROM ROOF TO DONE.

1 2 3

Prepare

mark · place · align

›

A **Pitched roof**
page 4

or

B **Wall**
page 5

›

✓

Done

save the project PDF from the PVX Calculator

A PART A · PITCHED ROOF

A1 Screw the PVX Ministrap in place

Fix the PVX Ministrap to the roof with a screw through the central screw hole.

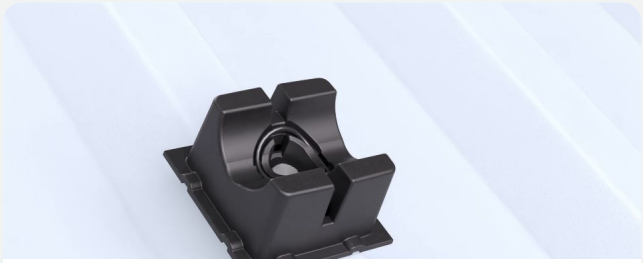
> **Note:** suitable for a Ø 6.3 mm screw with EPDM sealing washer. Screw and EPDM sealing washer are not supplied.



A1 – Installation on a pitched roof

A2 Place the tube

Lay the tube (Ø 16–32 mm) in the PVX Ministrap and check that it sits correctly in the tube channel.



Screwed in place



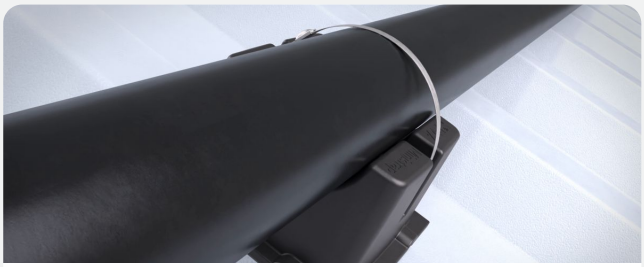
A2 – Placing the tube

A3 Secure the tube

Secure the tube by pulling the stainless steel tie wrap tight. Cut off the excess neatly.



A3 – Tie wrap through the opening and around the tube



Tube secured

A4 Final inspection

Walk the entire route: are all PVX Ministraps positioned correctly, is the alignment maintained and is the tube 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 tube vertically. First carry out steps 1 to 3 (page 3).

B1 Screw the PVX Ministrap in place

Fix the PVX Ministrap to the wall with a screw through the central screw hole. Make sure the tube channel is vertical.

> **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 Place and secure the tube

Place the tube (Ø 16–32 mm) vertically in the PVX Ministrap. Secure the tube by pulling the stainless steel tie wrap tight and cut off the excess neatly.



B2 – Placing the tube



Tie wrap through the opening and around the tube



Tube secured with stainless steel tie wrap

B3 Final inspection

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

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

4 · WARRANTY AND CONFORMITY

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 Ministrap
https://pvxmountingsystems.com/media/1892/pvx-ministrap-...

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

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

PVX Mounting Systems®
Handelskade 5.04 · NL-4205 AC Gorinchem
+31 (0)6-40235633 · info@pvxmountingsystems.com