PVX Mounting Systems®
THE STANDARD IN CABLE MANAGEMENT

INSTALLATION MANUAL

PVX CABLE MANAGEMENT · PITCHED ROOF & WALL

PVX MINIFIX®

Mounting M8 applications on a pitched roof or a wall, step by step.



A

PART A · PAGE 4

PITCHED ROOF

M8 application up to and including 200 mm wide

B

PART B · PAGE 5

WALL

M8 application up to and including 200 mm wide, on the wall

1 · INTRODUCTION

ABOUT THIS MANUAL.

The PVX Minifix® is a wind certified and FEM-analysed mounting system from PVX Mounting Systems for mounting M8 applications, such as cable tray and cable ladder up to and including 200 mm wide, on pitched roofs and walls. Thanks to the EPDM O-rings, the installation is watertight. The M8 application is fixed with the M8 bolt and covered with the PVX M8 protection cap.

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

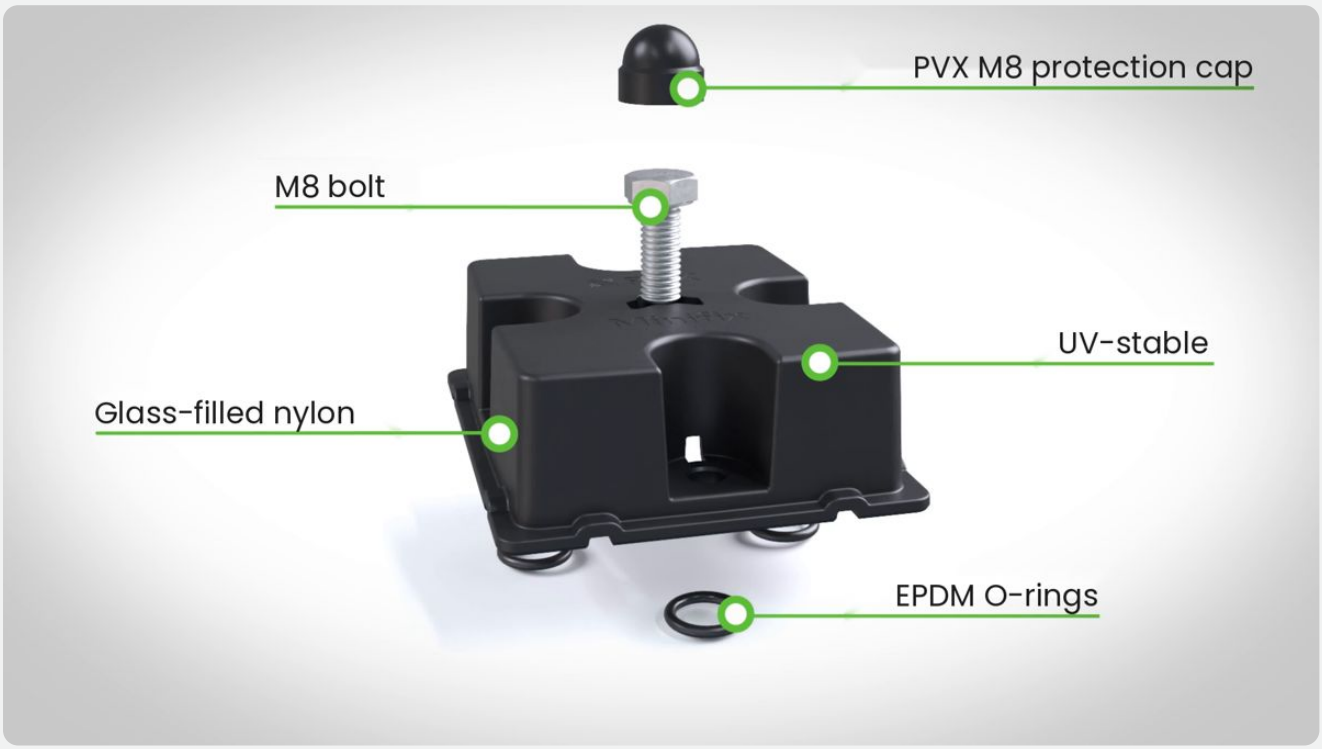


Figure 1.1 – PVX Minifix, exploded view

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 MINIFIX.

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

1 Preparation

Suitable for M8 applications up to and including 200 mm wide.
Mark the positions of the first and last PVX Minifix according to the calculated support spacing.
Check that all parts are present.

2 Placement

Make sure the PVX Minifix lies flat on the surface.

3 Alignment

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

4 Remove the M8 bolt

Unscrew the pre-assembled M8 bolt from the PVX Minifix. You will need it later to fix the M8 application.



THE MANUAL AT A GLANCE

FROM ROOF TO DONE.

1 2 3 4

Prepare
mark · place · align · M8 bolt out

›

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 Minifix in place

Fix the PVX Minifix to the roof with two screws through the screw holes.

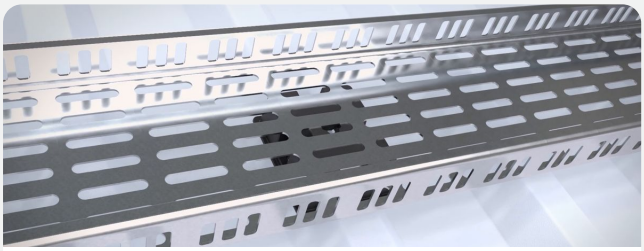
> **Note:** suitable for Ø 6.3 mm screws with EPDM sealing washer. Screws and EPDM sealing washers are not supplied.



A1 – Installation on a pitched roof

A2 Place and fix the M8 application

Place the M8 application (max. 200 mm wide) on the PVX Minifix. Fix it with the M8 bolt and tighten the bolt firmly.



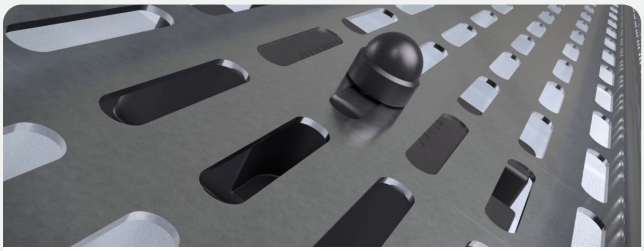
A2 – Placing the M8 application



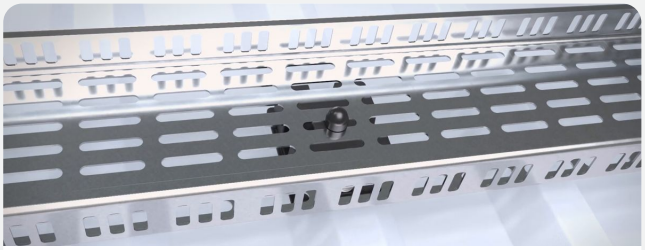
Tighten the M8 bolt

A3 Fit the protection cap

Press the PVX M8 protection cap onto the M8 bolt. The cap protects the cables from the bolt.



A3 – PVX M8 protection cap



Installed

A4 Final inspection

Walk the entire route: are all PVX Minifix positioned correctly, is the alignment maintained and is the M8 application properly secured and supported everywhere?

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

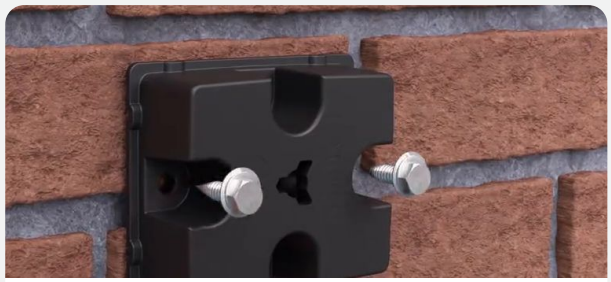
B PART B · WALL

On a wall you mount the M8 application vertically. First carry out steps 1 to 4 (page 3).

B1 Screw the PVX Minifix in place

Fix the PVX Minifix to the wall with two screws through the screw holes.

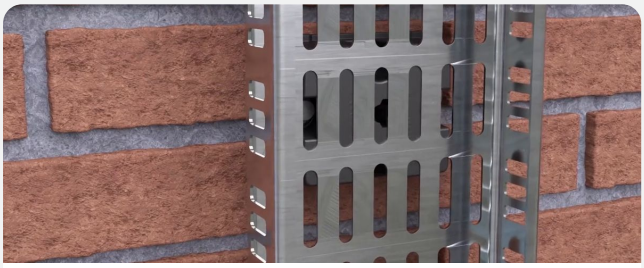
> **Note:** suitable for Ø 6.3 mm screws with EPDM sealing washer. Screws and EPDM sealing washers are not supplied.



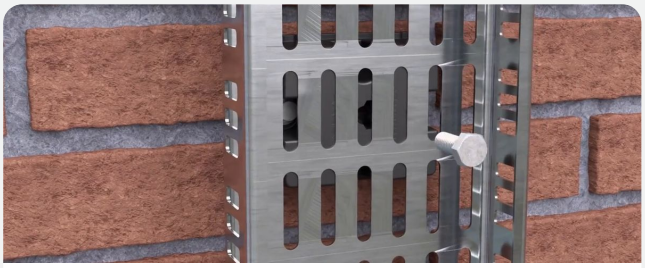
B1 – Installation on the wall

B2 Place and fix the M8 application

Place the M8 application (max. 200 mm wide) vertically on the PVX Minifix. Fix it with the M8 bolt and tighten the bolt firmly.



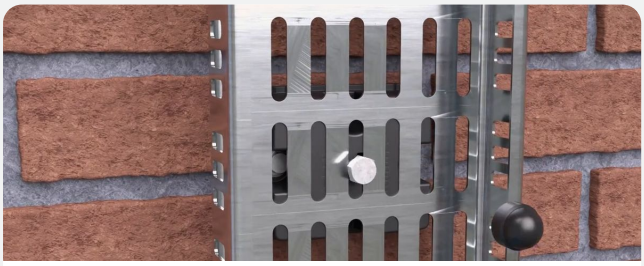
B2 – Placing the M8 application



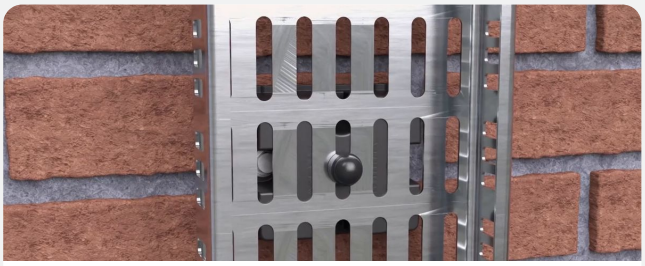
Tighten the M8 bolt

B3 Fit the protection cap

Press the PVX M8 protection cap onto the M8 bolt. The cap protects the cables from the bolt.



B3 – PVX M8 protection cap



Installed

B4 Final inspection

Walk the entire route: are all PVX Minifix positioned correctly, is the alignment maintained and is the M8 application 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 Minifix
https://pvxmountingsystems.com/media/1893/pvx-minifix-...

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

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

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