INSTALLATION MANUAL

PVX Shelter

150 cm wide · 115 kg / 115 kg

- 1 person · ±30 minutes
- Magnelis® steel
- Made in Holland



Version 2026/2602/1 · EN
Made in Holland

PVX PROTECTION · SHELTER

Before you begin

01

Safety & guidelines

- Installation must be carried out exclusively by skilled and authorised personnel.
- Working at height carries a risk of falling. Follow applicable guidelines and use the required protective equipment.
- The PVX Shelter is not designed as a step aid or fall protection.
- Do not install in strong wind, precipitation, or on a slippery roof surface.
- Have a structural engineer assess in advance whether the roof structure can safely bear the additional load.
- Keep a minimum distance of 300 mm from the roof edge (for buildings lower than 5 m this may be reduced, provided it is permitted by applicable regulations).
- The mounting surface must be clean, dry and flat.
- Keep this manual available on site during and after installation.

NOTE

Failure to follow these instructions will void the warranty and any liability.

Required tools



Cordless screwdriver

Bits 15SW & 17SW



Measuring tool

Made in Holland

Manufactured in the Netherlands, thoroughly tested and designed for maximum installation efficiency. Made from robust Magnelis® steel.

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Parts & dimensions

02



1 Ballast support (4x)

2 Base structure (2x)

3 Mounting beam (2x)

4 H-frame

5 Roof

Article numbers

VERSION	ARTICLE NUMBER	WEIGHT
PVX Shelter Single	PVX01142026	48 kg
PVX Shelter Back-Back	PVX02132026	59 kg

Main dimensions

FLAT ROOF MOUNTING	
Width (roof)	1500 mm
Height	1615 mm
Width (base structure)	1530 mm

Dimensions





No rights can be derived from these dimensions. Deviations may occur in practice.

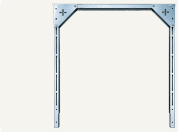
PVX PROTECTION · SHELTER

Assembly

7 steps · Single or Back-Back · **1 person · ±30 minutes**

03

1





STEP 1 OF 7

Assembling the H-frame 28 Nm

Fold the two uprights out 90° until they form a right angle with the top. Tighten the M10 bolt. Repeat on the other side.

2





STEP 2 OF 7

Fixing the mounting beams 20 Nm

Slide the mounting beams into the H-frame at the desired height, then tighten the M10 bolts.

NOTE

Always mount the mounting beam with the **PVX Drop-Stop** (lip as fall-through protection) first, at the top of the frame. Special slots on both sides fit the Drop-Stop exactly.

3





STEP 3 OF 7

Placing the H-frame on the base structure

Metal hooks are located on the inside of the base structure. Slide the side of the H-frame with the slots over the hooks and lower the frame. Repeat on the other side.

4





STEP 4 OF 7

Bolting down the H-frame min. 16 Nm

Fit the M10 bolt on both sides of the base structure twice and tighten it. Fit the extended M10 bolt with nut in both upper corners of the H-frame.

5



STEP 5 OF 7

Placing the roof

Place the roof over the ridges. For the PVX Shelter Back-Back, place the second roof immediately after.

6





STEP 6 OF 7

Fixing the roof 16 Nm

Tighten the M10 bolt on both sides at the top of the roof, and the M10 bolt with nut on the inside.

7



STEP 7 OF 7

Ballast supports and ballast

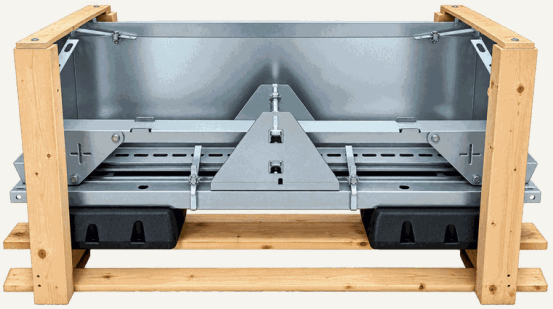
Place the ballast supports (multiple positions possible) and screw them onto the base structure. Add the ballast, depending on height, wind zone and location.

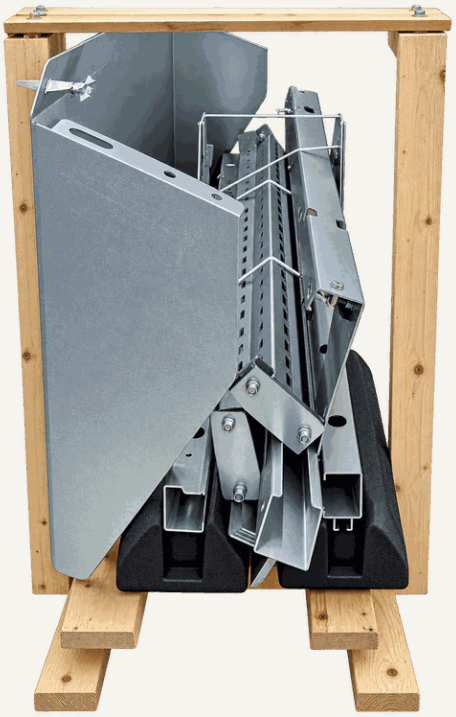
KIT: cordless screwdriver · bits 15SW & 17SW · tape measure

Installation video

Watch step by step how to assemble the PVX Shelter.
Scan the QR code or click the link: **youtu.be/GMSA_BCBAy8**

Packaging





Packaging dimensions

WOODEN FRAME	
Length	175 cm
Width	55 cm
Height	85 cm

Transport

The PVX Shelter is packaged compactly in a wooden frame, suitable for pallet transport. Up to 4 units of the PVX Shelter can be transported on two pallet spaces.

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Ballast specification

05

IMPORTANT

The ballast values in the Dutch version of this installation manual are calculated according to the Dutch national annex to EN 1991-1-4, and apply only to installations in the Netherlands. Wind load varies by country. PVX Mounting Systems calculates a project-specific ballast specification for every installation, based on the local wind zone and terrain category. Contact info@pvxmountingsystems.com to request the ballast calculation for your location.

W Wind zone

The characteristic wind load for a specific area, based on the applicable national annex to EN 1991-1-4. The PVX Shelter is wind certified by Peutz.

T Terrain category

The roughness level of the surroundings: from open terrain without obstacles to densely built-up urban areas.

NOTE

If in doubt, always consult a structural engineer. Additional anchoring may be required for greater mounting heights or unfavourable wind conditions.