

INSTALLATION GUIDE

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For A1 Greenhouses Limited — a1greenhouses.ie

INTRODUCTION

This guide provides instructions for the proper installation of A1 Greenhouses products. Follow these guidelines to ensure a secure, level, and long-lasting setup. If you have any questions, please contact A1 Greenhouses.

GENERAL REQUIREMENTS

- A flat and true concrete or slabbed base must be pre-laid in readiness for installation.
- The prepared area should be free from any obstructions (e.g., manhole covers, drains).
- The area should be clear of any overhanging obstacles (e.g., tree branches, power lines).
- The installation area must provide access to all sides of the greenhouse for safe assembly.
- Please pre-check your garden building site at least 72 hours before installation and report any issues to us.
- All glass panels are fitted from the outside. Ensure there is at least 2 feet (approximately 60 cm) of clearance on all sides to allow installers to work safely with ladders.
- The greenhouse steel sub frame (base) must be checked for level and squareness on site before final securing.
- Unless otherwise specified, all A1 Greenhouses models include a steel sub frame (base) for fastening to the surface.

1. INSTALLATION ON SOLID SURFACES (CONCRETE, PATIO SLABS)

1.1 Surface Requirements

- Recommended surface thickness: 3–4 inches (75–100 mm) of solid material (concrete or patio slabs).
- Surface dimensions: At least one foot (30 cm) wider and longer than the greenhouse's nominal dimensions. For example:
 - Greenhouse size 6 ft × 8 ft → surface size at least 7 ft × 9 ft.

1.2 Base Anchoring

- Assemble the steel sub frame on site with the rest of the greenhouse.
- Check the frame for level and squareness.
- Use anchor bolts to secure the steel base to the solid surface.
- Ensure anchor bolts are fully embedded into the surface.

1.3 Clearance from Walls

- Position the greenhouse at least 2 feet (60 cm) away from any walls. This space is

necessary for:

- Installing side and gable end glass panels from the outside.
- Accessing roof vents and panes with a ladder.

1.4 Final Steps

- Once secured, proceed with attaching all glass panels and roof vents.
- Inspect all bolts and frame connections to confirm they are tight.

2. INSTALLATION ON SOFT SURFACES (SOIL)

2.1 Suitability

- This method is ideal for the Vitavia range of greenhouses with steel base “legs” designed to be buried.
- Not recommended for greenhouse models with a low-threshold entrance without prior consultation.

2.2 Base Preparation

- Dig holes for the steel base legs to be buried 1–2 feet (30–60 cm) below the surface.
- Place the steel base frame on top of these holes, ensuring it is roughly level.

2.3 Securing the Base

- Use quick-setting concrete to secure the legs and base frame into the soil.
- Ensure the frame is level and square before concrete fully sets.
- Concrete should fill around each leg for stability.

2.4 Surface Clearance

- Maintain at least 2 feet (60 cm) clearance from walls for glass panel installation and safe ladder access.

2.5 Additional Costs

- Installing on soft surfaces may incur an extra fee due to increased materials and labour time.

2.6 Final Steps

- After the base is secured and concrete has set, assemble the rest of the greenhouse.
- Fit all glass panels and vents following standard procedures.

3. INSTALLATION OF LEAN-TO MODELS

3.1 Overview

- Lean-to models require both a floor surface and a solid wall for support.
- Example: A concrete base adjacent to a house wall or a soil base next to a garden fence.

3.2 Surface and Wall Requirements

- Floor surface: See Section 1 for solid surfaces or Section 2 for soft surfaces preparation.
- Wall: Must be solid and mostly level. Adjustments may be made on-site with customer consent.

- Surface dimensions: Floor and wall surfaces should each be at least one foot (30 cm) larger than the greenhouse's floor size. For example:

- Lean-to size 6 ft × 4 ft → surface size at least 7 ft × 5 ft for both floor and wall.

3.3 Base Anchoring

- All lean-to models include a steel sub frame base.
- On solid floor: Use anchor bolts as described in Section 1.
- On soft floor: Bury legs and secure with concrete as described in Section 2.
- Secure the upper section of the greenhouse to the wall using appropriate brackets (not provided).

3.4 Glass and Vent Installation

- Maintain 2 feet (60 cm) clearance from walls for glass pane fitting and roof vent access from the outside.

3.5 Weatherproofing Notice

- Lean-to models are not conservatories and are not waterproof.
- A1 Greenhouses does not provide waterproofing services. Any waterproofing is at the owner's risk.

4. CONTACT INFORMATION

For any further queries regarding greenhouse installation, please contact:

A1 Greenhouses Limited

Email: info@a1greenhouses.ie

Phone: 087 2304698

5. AMENDMENTS TO THIS GUIDE

We reserve the right to update this Installation Guide at any time. The latest version will be available on our website.