



Duroclad Installation Manual

Premium step-by-step DIY guide for architectural cladding installation.

Product Overview

Duroclad composite boards provide a modern architectural finish. Typical board size: 2200 × 216 × 28 mm. Manufacturing tolerance: ±10% in length. Boards are factory cut and may not be perfectly square.

Tools & Materials Required

- Tape measure, level (or laser level) and pencil
- Drill/driver with suitable drill bits
- Fine-tooth saw suitable for composite materials
- Outdoorliving.ie PVC battens (recommended)
- Breathable membrane and joint tape
- 4 × 30 mm A2 stainless steel screws
- Matching trims and corner profiles (available from Outdoorliving.ie)
- Suitable flashing for top termination

1) Moisture Barrier

Install a breathable membrane over the structural wall before fixing battens.

- Ensure correct overlaps as per manufacturer guidance.
- Seal joints and penetrations.
- Maintain drainage and airflow at the base and top of the cavity.

2) Substructure Preparation

Fix treated timber, aluminium, or Outdoorliving.ie PVC battens to the wall. PVC battens are recommended for improved moisture resistance and consistent spacing.

- Battens must be level and plumb.
- Maximum batten spacing: 350 mm centres.
- Provide a continuous ventilated cavity behind the cladding.
- Add additional battens at corners, edges and openings.

3) Installing Duroclad Boards

Boards can be installed vertically or horizontally depending on your preferred design finish.

- Pre-drill all fixing holes to prevent splitting and allow expansion.
- Fix using 4 × 30 mm A2 stainless steel screws.
- Do not overtighten screws.

- Maintain a minimum 15 mm expansion gap at ends and abutments.
- Check alignment regularly using a level.

4) Joints and Corners

Use matching trims and corner profiles (available from Outdoorliving.ie) for a professional finish.

- Maintain 90° corner alignment.
- Allow expansion space behind trims.
- Do not fix boards tightly against rigid elements.

5) Top Termination

Finish installation with suitable trim or flashing.

- Ensure water is directed away from the wall.
- Maintain ventilation at both top and bottom of cavity.
- Inspect all fixings and expansion gaps before completion.