

PROGREN INSTALLATION GUIDE

Progren Decking should be installed using the same good building principals used to install wood or composite decking and in accordance with the local building codes and the installation guidelines included below. Progren accepts no liability or responsibility for the improper installation of this product. It is the sole responsibility of the installer to be sure that Progren Decking is fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements for each deck application. If you are in doubt, please contact your Progren distributor's representative and / or visit www.aceinds.com for further information. Read and understand this entire manual before you begin the installation of your decking. Failure to do so may lead to a reduced product performance and will invalidate the manufacturer's guarantee.

PRE INSTALLATION AND SAFETY INSTRUCTIONS

Acclimation and Storage

Before installation, material should be stored on a flat surface; in the shade or covered if original packaging is removed.

Walking Surface

Progren boards can be installed on both sides, except Classy 120 decking which has to be installed with flat surface facing down (provided it does not have a wire brush/grain finish).

Static Electricity

Buildup or generation of static electricity is a naturally occurring phenomenon in many plastic based products such as carpeting, upholstery, and clothing, and can also occur on decking under certain environmental conditions.

Safety

Unlike traditional wood, Progren decking is splinter-free.

Grain and Color Patterns

Progren Decking is designed to mimic the look of natural wood. All Progren decks - Classy 120, Elegant 150 and Magnificent 170 - are designed to naturally weather over time and the surface grain pattern will weather to a more consistent color. Most of the weathering process will be complete within the first year of the deck's life.

Color and Temperature

Progren products are designed to be cooler when touched. But all decking products will get hot in the sun. Additionally, the darker the decking color, the hotter it will feel.

Excessive Construction Debris

During construction, the deck's surface must stay clear from excessive build-up of dirt, sand, and dust from tile, concrete, landscape blocks, or any other masonry products. If these materials are not removed immediately, the deck surface will become difficult to clean and can potentially damage the deck's surface finish. Progren Decking should not be used as a work surface.

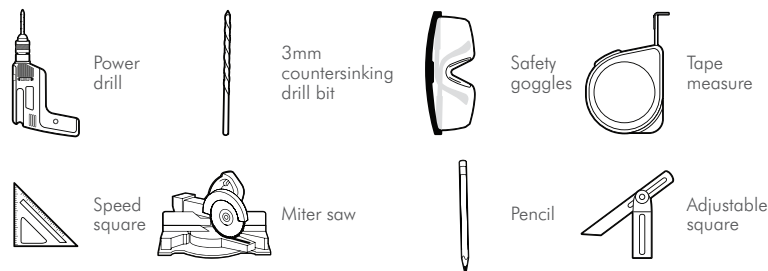
Thermal Expansion and Gapping Requirements

Progren deck boards will expand and contract slightly along their length with change of weather and seasons. Progren Deck boards installed during the early spring or winter (when the boards are cold), will expand as the weather warms up. Expansion gaps must be considered at the ends of the deck boards, whether it is where the ends of two boards meet, or where the end of a board is laid up to a wall or other fixed surface. Extreme increase of surface temperatures, which exceeds that of normal exposure, can possibly cause Progren products to melt, sag, warp, discolor, increase expansion/contraction, and accelerate weathering. Butt joints should be avoided in extreme environments with very strong differences in temperature. See board end spacing in **Progren Product List**.

Inclination & Ventilation

As Progren deck products have a very low rate of moisture absorption, they can be installed horizontally with no incline. However, installing the boards at a gradient (e.g. 1–1.5 %) results in faster deck drying and the run-off rainwater will help to wash away dust. To ensure the ground has good drainage and the deck is well ventilated please observe normal terrace building procedure. When the surface of the deck is to be closed, then ventilation points must be created to allow the deck to ventilate naturally. This is particularly relevant where decks are exposed to high humidity i.e. swimming pools, garden ponds or wet areas. If installing up to a wall or other fixed surface, please always leave a gap for ventilation of minimum 20mm (30mm if the deck is entirely surrounded by walls or fixed surfaces).

Tools required for Installation



INSTALLATION PREPARATION



Basic installation substructure; 300mm on center maximum joists. (250mm on center for commercial applications)



Diagonal installation substructure; 250mm on center maximum joists. More severe angles may require closer joist spacing.

Follow these guidelines for best deck installation:

1. Progren Deck Boards are two-sided products. The Deck Boards are to be installed with the grain side up for the walking surface, if the grain pattern is done on the boards. Progren Fascia is to be installed grain side out.
2. Prior to installation, check to make sure all joists are level, structurally sound, and there are no nails or screws protruding.
3. Make sure all joists are positioned and level across the top as Progren Deck will conform to the surface contour of the substructure.
4. Proper joist spacing is required for proper installation. Joist spacing should never exceed 300mm on center.
5. Limiting joist movement can help reduce excessive gapping and also ensure more uniform finished surface of the Progren Deck.

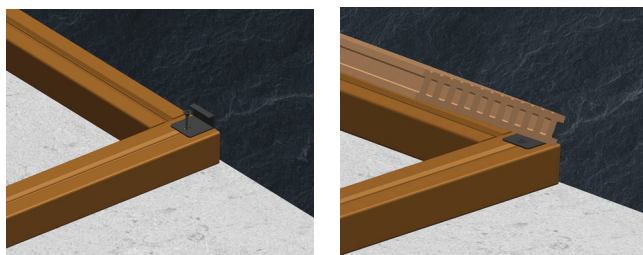
HIDDEN FASTENER INSTALLATION FOR PROGREN DECKING END BOARDS

Progren recommends starting on the outside of the deck and working toward the house / wall. This way, if any boards need cutting down to fit, the cut side will be against the house / wall. However, if starting at the house / wall, secure Progren starter clips a minimum of 7mm from the wall with a single screw into the joist.

- Progren recommends a screw gun with a clutch. Do not install fasteners using an impact driver.
- Space clips no greater than 300mm apart.
- Position the deck board into the starter clip fasteners. It may be helpful to angle the board slightly to fully seat it into the clips.
- Check to ensure that the board is fully inserted into the clips.

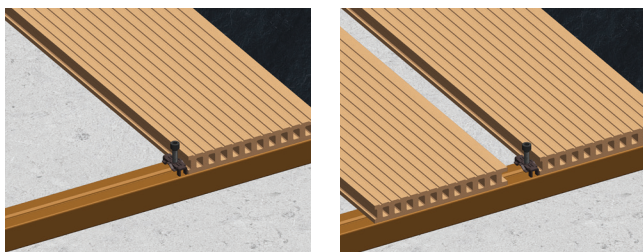
HIDDEN FASTENER INSTALLATION FOR PROGREN DECKING BOARDS

Preparing edges of the grooved board



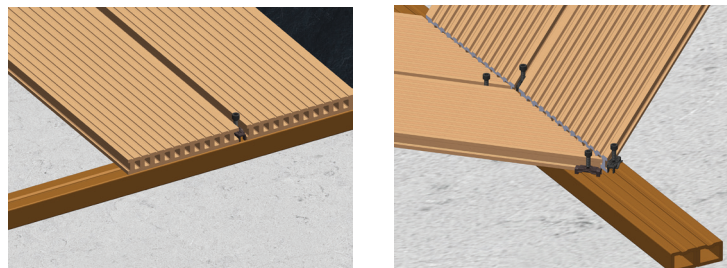
After installing the first end boards, insert a **Hidloc** hidden fastener into the groove of the board, centering on joists.

Securing the fasteners



Secure fasteners by driving the screw fully into the joist, perpendicularly. Continue installing and securing the fasteners in the center of each joist along the remainder of the deck board.

Installing the remaining boards / rows



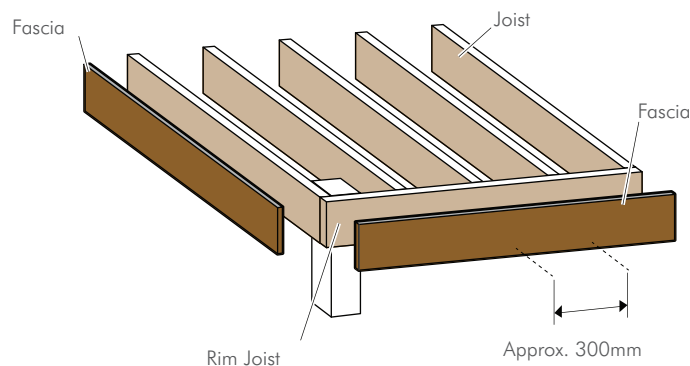
Position the next deck board into the fasteners. It may be helpful to angle the board slightly to fully seat it into the fasteners.

Repeat installing fasteners and positioning boards to cover the deck surface.

Installing butt joints

Where two boards butt together, allow for adequate end-to-end board spacing. See board end spacing in Progren Product List

PROGREN FASCIA INSTALLATION



Fascia is fastened with screws at a maximum of 300mm intervals, with three screws across the face.

System for fascia - Fasten no closer than 40mm from ends of board and 25mm from sides of board. Pre-drill ends of board screw holes to prevent immediate or eventual end splitting. Install with 3mm spacing between ends in temperatures above 10°C and 5mm spacing in temperatures below 10°C. Fascia is intended as a non-structural covering for rim joists and stair risers and is not suited for decking surfaces or structural applications. Do not over-tighten screws as buckling and cracking may result.