



Here's everything you'll need:



- DuoDeck™ Under Deck Bracket**
 The DuoDeck Bracket attaches to your deck joists and holds 2 x 2 lumber to create a framework with a proper drainage pitch.



- 2 x 2 Lumber**
 The 2 x 2 lumber will act as the purlins, you will attach the Palruf™ Panels to these using WoodTite™ screws.



- Palruf™ Corrugated PVC Panels**
 Palruf is flexible, durable, PVC sheet with a 5 year warranty. An economical way to create dry space under your deck.



- WoodTite™ Screws**
 These go through the Palruf™ Panels into the 2 x 2 purlins.
- Tools Needed:** Screwgun, 1/4" socket, tape measure, line level and string, circular saw or tin snips.

And here's how to install:



Review your current deck structure. Determine the desired direction for water drainage. The panels will slope from high to low with water draining at the lowest end. (Note: Depending on size of deck, you may wish to slope the panels from a center point to two drainage points.)

Beginning at the "high" end, install a DuoDeck bracket on the outside edge of the deck allowing room for the 2x2 to slide inside the bracket. Use a line level or the guidelines on the brackets themselves to install another bracket on the opposite outermost joist at the same level. (Note: When using the pre marked lines to install brackets be sure to use a line level and double check the level of the brackets to avoid issues with variances in joist dimensions.) Secure each bracket with WoodTite™ fasteners.



Move to the opposite or drainage end of your deck. Determine proper slope for the panels (minimum 1/4" per 4' of panel length) and install DuoDeck Brackets on outermost joists at appropriate height. (Example: for a 12' panel length—drainage end brackets are installed 3/4" below the "high" end brackets).

Tie taught string line (a.k.a. line level) between high and low brackets and use as a guide to complete installation of outside rows of brackets every 32" max.* (note: line levels are available at most hardware stores and home improvement centers. Most line levels are marked for various slopes on a "per foot" basis. A 1/4" per 4 feet slope is the equivalent of 1/16" per foot slope.)

* This can also be accomplished by calculating the number of brackets needed from front to back and dropping each successive bracket one guideline on the bracket.



Use a taught stringline between the two outermost rows of brackets as a guide to complete the bracket installation every 24" or 32" (Do not exceed 32" spacing).

Alternately, use the pre-marked guides on the bracket to ensure each row of brackets is installed on the same level. When using this method be sure to double check that all brackets are level using a line level to avoid discrepancies caused by differences in joist dimensions.



Slide 2x2's through inside of each row of brackets. Secure with two 1" WoodTite™ fasteners per bracket. You'll now see even level rows of 2x2s every 32" (or 24") which gradually step down in height for desired drainage slope.



Before installing orient panels label side down (outermost corrugation up). Secure panels with 1" WoodTite™ fasteners every other corrugation where corrugation touches 2x2 purlin. Overlap panels by one corrugation. (26" panels overlap to provide 24" net coverage per panel.)

When fastening to the 2x2s, be sure not to over-tighten the WoodTite™ screws. The sealing washer should be seated firmly, but not deformed. Install the panels as described to cover the entire underside of the deck.



Now you will have a dry space under your deck to enjoy as a patio, or to use as a sheltered storage area.



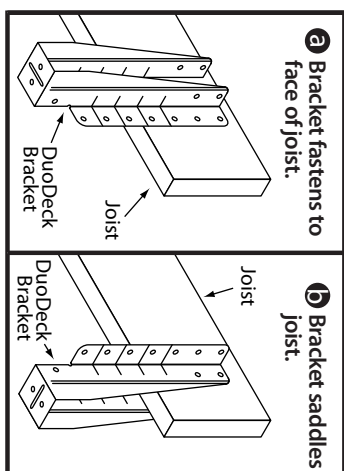
Using the DuoDeck™ Bracket to Install Palruf® Corrugated PVC Panels for UnderDeck Applications (General Overview)

Tools Needed
Screwgun, 1/4" socket, tape measure, line level and string, circular saw or tin snips.

Materials Needed
1" WoodTite™ fasteners, 2x2 purlins (wood or metal), Palruf® Corrugated PVC panels, DuoDeck UnderDeck Brackets.

Before You Start

DETERMINE BRACKET ORIENTATION



ESTABLISH LOW END OF DRAINAGE SLOPE

- Calculate correct slope and establish position of low-end bracket (min. 1/4" in 4' slope). **D**
- Install brackets at front of deck on outermost joists. **E**

- Complete installation of two outermost rows of brackets by tying a string line between the front and rear brackets. Use taugt stringline as a guide to install brackets every 32" max. (or every 24" if joist spacing is 24"). **F**
- Complete installation of remaining brackets by tying a string line between the first sets of brackets on left and right. Use taugt stringline as a guide to install brackets every 32" max. (or every 24" if joist spacing is 24"). Repeat for each row of brackets. **G**

- Slide 2x2's through inside of each row of brackets. Secure with two 1" Woodtite fasteners per bracket.

RESULT: You'll see even level rows of 2x2s every 32" (or 24") which gradually step down in height for desired drainage slope.

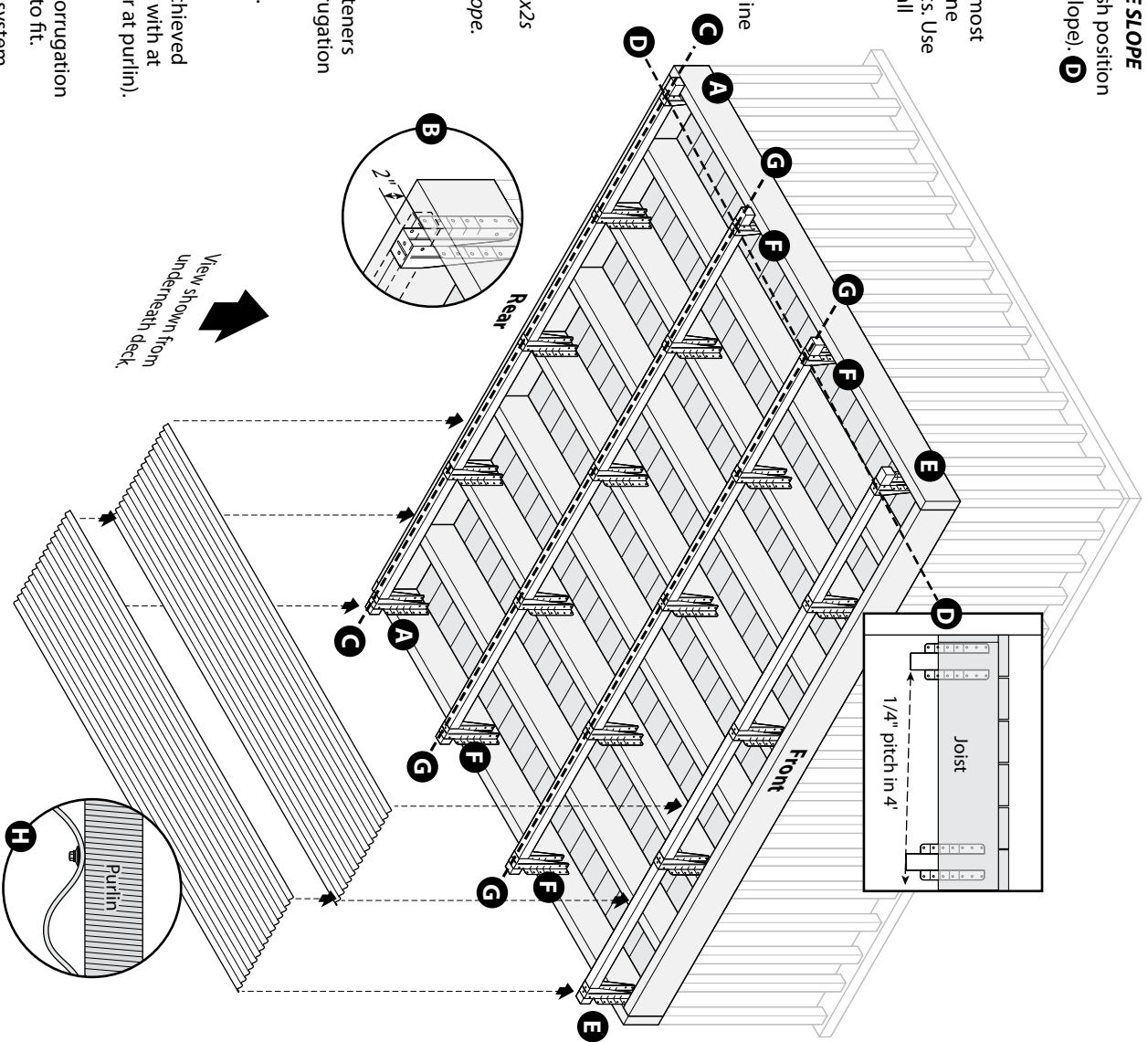
Panel Installation

- Orient panels label side down (outermost corrugation up).
- Secure panels with 1" Woodtite fasteners every other corrugation where corrugation touches 2x2 purlin. **H**
- Overlap panels by one corrugation. (26" panels overlap to provide 24" net coverage per panel.)

- Panel runs longer than 12' can be achieved by overlapping panels end-to-end, with at least 8" overlap (overlap must occur at purlin).

Finishing Options

- Overlap last panel more than one corrugation or trim with tin shears/circular saw to fit.
- Trimcoil and/or standard guttering system may be installed for a more finished effect.



Bracket Installation

ESTABLISH HIGH END OF DRAINAGE SLOPE

- Begin at rear of deck with outermost joists. **A**
- Allow space for a 2x2 to slide inside bracket. Secure with four 1" Woodtite fasteners per **B** bracket.
- Use a string level to install bracket on opposite, outermost joist at the same level. **C**

Looking to add a roof above your deck to provide shelter against weather and the sun? Use SUNTUF® Corrugated Polycarbonate!