



# DECK Installation Guidelines

## A. STORAGE

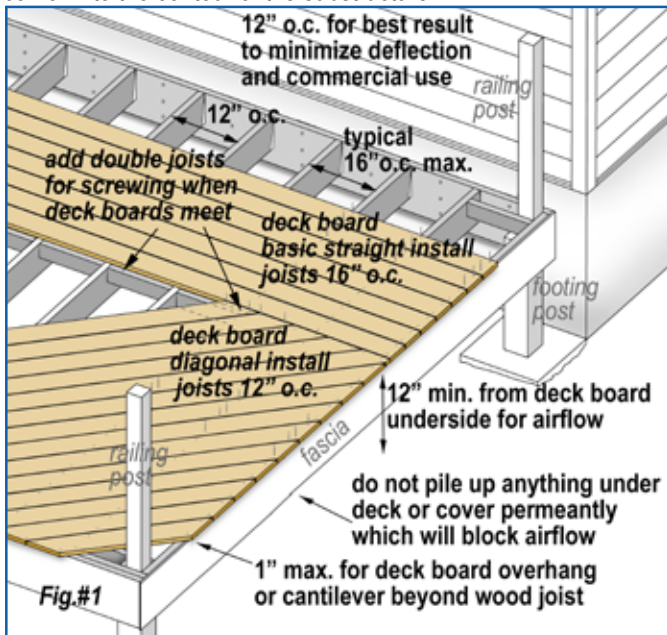
- ▶ 1. Store on a flat level surface.
- ▶ 2. DO NOT stack bundles over 8 units high.
- ▶ 3. Use caution when using a forklift, as forks may damage the deck.
- ▶ 4. When using plastic banding (steel banding is not recommended), use corner protectors to prevent indenting the materials.
- ▶ 5. Keep factory applied covering on products until installed to protect against dirt and debris.
- ▶ 6. Cover decking with light colored tarp before installing to minimize expansion and contraction.

## B. IMPORTANT PLANNING AND PREPARATION

- ▶ 1. Inteplast PVC Deck is not meant to be used for structural applications, supports or beams.
- ▶ 2. Inteplast PVC Deck board should never be used for a supports or a component of railing systems
- ▶ 3. Keep product orientated using print-line as a guide.
- ▶ 4. Deck should be designed with enough clearance underneath (12" min.) to allow for proper air circulation. (see Fig#1) Roof deck with sleeper joists are not recommend due to limited air circulation underneath.
- ▶ 5. Do not install Inteplast PVC Deck on top of the old deck board.
- ▶ 6. If using an existing joist structure, check that all joists are level, structurally sound, with no nails or screws protruding.
- ▶ 7. Correct joist spacing is required for proper installation (see Chart #1 & Fig#1)

	90° angle	30° angle	45° angle
100 PSF	16"	12"	12"

- For best results, space 12" O.C. to minimize deflection
- DO NOT exceed 16" center to center spacing when installing deck board perpendicular to joists.
- DO NOT exceed 12" center to center spacing for commercial use.
- DO NOT exceed 12" center to center spacing when installing planks diagonal to joists, such as a herringbone pattern. Decrease joist spacing for the deck with more severe angles.
- ▶ 8. When Deck boards are installed end-to-end or with a splice joint, add double joists as needed to fasten deck boards securely. (see Fig#1)
- ▶ 9. Be sure all joists are level and crowned correctly. Inteplast Deck will conform to the contour of the substructure.



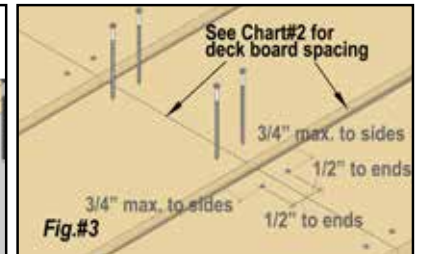
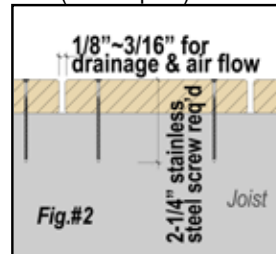
- ▶ 10. Use two screws for every joist. (see Fig#1 ~#3)
- ▶ 11. Maximum cantilevering space is 1" (see Fig#1)
- ▶ 12. Like wood, minor color variation of the DECK will occur ( specially for variegated color line). For optimal appearance, layout and view all deck boards before cutting or fastening. Place all tagged ends in the same direction.

## C. TOOLS

- ▶ 1. Inteplast PVC Deck installation is comparable to wood or composite decking and the tools for installation are similar.
- ▶ 2. Do not nail Inteplast PVC Deck boards.
- ▶ 3. Battery operated or corded drill / screwdriver is recommended.
- ▶ 4. Self-feeding screw guns can also be used.
- ▶ 5. Saw capable of miter cuts with a fine-toothed carbide tipped finish trim blade is recommended: 7-1/4"Ø 40 tooth minimum; 10"Ø 60 tooth minimum; 12"Ø 90 tooth minimum.
- ▶ 6. Wear safety glasses / goggles at all times.

## D. EXPANSION AND CONTRACTION

- ▶ 1. Inteplast PVC Deck, when installed with two screws per joist, will have minimal expansion and contraction due to temperature changes. There will be no side-to-side movement and small end-to-end change; slight gaps may be noticed at the ends of boards or in spliced joints. (see CHART#2: DECK BOARD SPACING)
- ▶ 2. Approx. expansion and contraction for unattached Inteplast PVC deck based on 50°F temperature change: 12'=3/16" ; 16'=1/4" ; 20'= 5/16"
- ▶ 3. Provide proper ventilation to minimize expansion and contraction.
- ▶ 4. Fasten boards as soon after cutting as possible.
- ▶ 5. Deck boards must be fastened with two screws no more than 1/2" from the end of the board and 3/4" max. to sides. (see Fig#3)
- ▶ 6. Install boards together tightly at spliced joints and miters.
- ▶ 7. Always leave a 1/8" to 1/4" gap between decking and any structure (wall or post).



- ▶ 8. Fasten ends of deck boards, splices and abutments to building or securely to framing using two screws positioned within 1/2" of each board end or joint. (see Fig#3)
- ▶ 9. Stagger miters or splices so they do not all break on the same joist.
- ▶ 10. Inteplast PVC Deck Fascia board must be fastened using 1-5/8" stainless steel screws at 12" on center. Screws should be installed 1/2" from the top and bottom edges, along with a screw in the center. Use a bead of construction adhesive between 12" o.c. (see Fig#5)

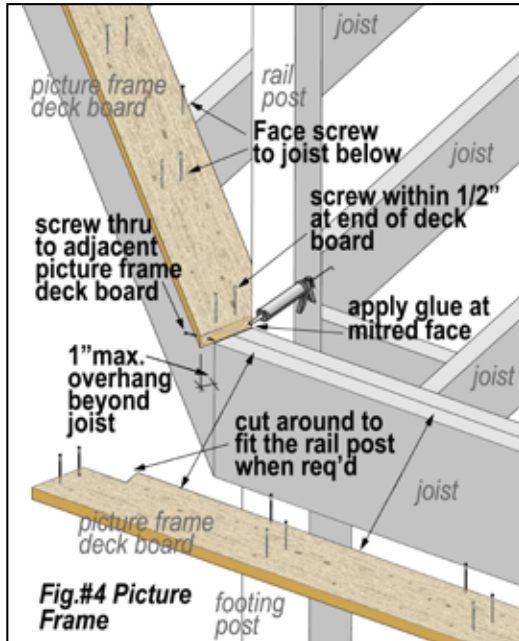
Ambient Temperature	Butt ends	Side to Side
Below 32°F	3/16"	1/8" - 3/16"
Between 32°F and 75°F	1/8"	1/8" - 3/16"
Above 75°F	no space	1/8" - 3/16"

## E. RECOMMENDED FASTENERS

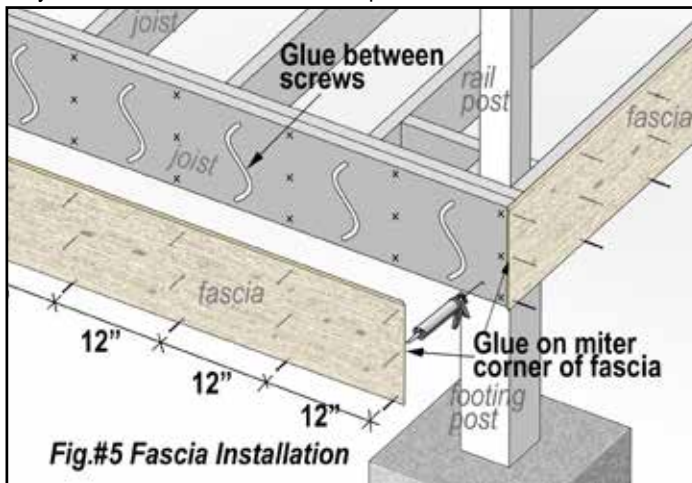
- ▶ 1. Correct fasteners must be used to ensure the quality of installation. High quality fasteners that meet following requirements are recommended:
  - Stainless Steel ● #7 screw size minimum ● 2-1/4" length minimum
- ▶ 2. Coastal applications near salt water require 316 stainless steel screws or better.
- ▶ 3. Install fasteners perpendicular to the deck is highly recommended.



- ▶ 4. For side mount (hidden fastener) installation such as: CAMO, HID-fast...etc., use Cortex face screws or other positive fastening system within 1/2" of the end of each board for additional fastening strength.
- ▶ 5. When installing with hidden fasteners, use a sacrificial board against the side of the deck board. Never strike Inteplast PVC Deck directly with hammer or rubber mallet.

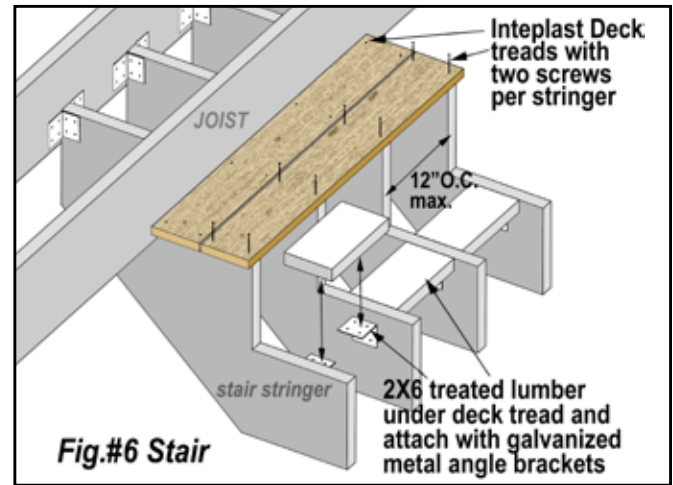


- ▶ 6. Dock and pier installations may have special fastening specifications required by building codes. Check with authorities before installation.
- ▶ 7. For best results, pre-drill holes when installing decking at 40F or below.
- ▶ 8. Always apply glue and screw at miter joints & picture frame border joints will greatly decrease the potential for large gaps in miter joints. (see Fig.#4)
- ▶ 9. No more than 1" overhang of the board from joist structure on the end and edge/side. Flushing with the joist structure is recommended to prevent deformation. (see Fig.#4)
- ▶ 10. For best results, gluing and fastening of DECK FASCIA (rim boards) every 6" to the wood joist is recommended, (see Fig.#5)
- ▶ 11. Fasten deck boards on top of the proper wood joist structure directly. Do not fasten the boards on top of the old deck boards.



### F. STAIR TREADS (see Fig.#6)

- ▶ 1. Build stairs per local building code requirements.
- ▶ 2. Proper support beneath the deck boards is required. Install Inteplast PVC Deck on stringers set no more than 12 inches on center.
- ▶ 3. Fasten deck board using two screws per stringer per board.
- ▶ 4. Deck board overhang should not exceed 1/2" beyond stringers



### G. CARE AND MAINTENANCE

Inteplast PVC Deck is very durable but still need to be maintained. The following recommendations will help to keep the deck looking best.

- ▶ 1. Periodical washing of the deck using water to remove dirt and debris.
- ▶ 2. NEVER use rubber or vinyl materials such as grill mats, rubber backed welcome mats, rain wear, plastic tarps, vinyl gloves, vinyl or PVC potted containers, garden hoses, inflatable toys, and swimming pools, etc. for an extended period of time. Additives in the rubber and PVC products have a tendency to migrate from these materials to the deck, resulting in discoloration of the surface.
- ▶ 3. Some chemicals in sun-block lotion, insect repellent, or similar products may contain chemicals or additives, which will alter the surface of the deck. Please check product labels, consult the manufacturer, and or contact us to ensure compatibility prior to use on or near the deck.
- ▶ 4. Rust Removal: household toilet bowl cleaner is recommended.
- ▶ 5. Ice Removal: Products containing calcium chloride can be used without damage to the surface but may leave a white residue. This can be cleaned using the principles outlined above.
- ▶ 6. Snow Removal: Use only a plastic shovel.

### H. OTHER FACTORS TO CONSIDER

- ▶ 1. Low E Glass Considerations: If Low E (Low Emissivity) glass windows or doors are used around the deck, its reflection of sunlight may create additional, excessive heat that could damage your deck. The damages may include but are not limited to melting, discoloration, excessive expansion and contraction or rapid weathering. A combination of contributing factors must be present before the effect occurs or causes damage to any nearby decking materials. This damaging effect can be prevented in many cases by installing the window screens supplied by the window manufacturer.
- ▶ 2. All deck surfaces will get hot in the sun; darker colors feel hotter than lighter colors.

**NOTE:** Inteplast claims no liability or responsibility for the improper installation of our deck product. The purchaser is solely responsible for compliance with applicable local codes as to the deck's intended use. We recommend that all designs be reviewed by a licensed architect, engineer or local building official before installation. Failure to comply with our DECK Installation Guideline will result in voiding the warranty.

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