

Cresdek™

INSTALLATION INSTRUCTIONS

Face stamp: All panels must be installed with the identification and certification stamp facing upward.

Joists and joist spacing: The floor joist system must meet all requirements of the jurisdictional code under which the home is being built. The lumber used to construct the joist system must be of an approved and suitable specie, grade and quality with a maximum moisture content not to exceed 15% at time of installation. Joist spacing in no circumstances shall exceed 24" except in cases where specific jurisdictional code requirements reduce the maximum allowable span to less than 24" in which cases the code dictates the maximum allowable span, (but never over 24"). On joists where panel seams occur, each panel edge shall be supported by not less than 40% of the nominal width of the joist. The entire perimeter (all four edges) of each panel installed must be in contact with and be supported by the floor joist system. In situations where panel edges run perpendicular to the floor joist system, panel edges must be Tongue and Grooved or be supported by gusset plates attached directly to the floor decking or by intermediate blocking attached to the floor joist system

Panel Positioning: Building a square floor assembly is critical to assure quality construction and to eliminate and/or minimize problems throughout the entire construction process. Therefore, the installation of the first panel of floor decking on the joist system is very important in squaring the entire floor assembly. The large 8' wide full-length panels of CRESDEK which are precision cut to tight tolerances including squareness, length and width are ideally suited to this important step of quality construction. As the first panel of CRESDEK is installed make certain all perimeter areas of the joist system align perfectly with all edges of the panels. Panels should never require being "forced" into position to match the joist system. If the joist system is properly constructed and square to begin with, only mild coaxing at most should be required to gain alignment between the CRESDEK and the joist system. Proper positioning can be attained by physically pushing on the joist system or using an "extended" pipe clamp to pull the joist system into alignment with the edges of the floor decking. NEVER beat on the floor decking or the joist system to gain alignment as this can damage the floor decking and/or the joist system and may contribute to future floor issues.

Gapping: **Acclimatized** Cresdek and Cres-X floor decking panels must be installed with adjoining edges lightly butted together or with a maximum of 1/16" gap. **Non-acclimatized** Cresdek or Cres-X panels must be installed with a 1/8" gap between adjoining edges. In addition, all panels installed must be a full 96" wide as shipped from the mill with each edge of each panel supported by a minimum of 40% of the nominal (1 1/2") width of the floor joist will all fasteners penetrating the decking and the joist. The home manufacturer is responsible for the proper layout of all floor joists to meet the specific installation requirements depending on installing acclimatized or non-acclimatized decking. All Cresdek and Cres-X panels installed according the installation instructions will carry our guarantee and warranty. However, failing to install Cresdek or Cres-X panels as recommended will void the guarantee and warranty.

Gluing: Bonding CRESDEK panels to the floor joists with an approved construction adhesive is highly recommended. And, gluing the panels to the floor joists is mandatory when it is required under the jurisdictional building code. Bonding floor decking panels to the joists increases the structural integrity of the floor system and can reduce or eliminate floor squeaks and noise, and sheet rock damage. All adhesives must meet the minimum requirements of the jurisdictional building code. When adhesives are used, the panels must be installed within the working open time of the adhesive (typically less than 5 minutes) to prevent and avoid the adhesive curing before the panels are installed. It is recommended that adhesive be applied to "sections" of the floor joist system to prevent pre-curing of the adhesive before all floor panels can be installed. Applying the adhesive to the entire floor joist system before installing the floor decking is not recommended and should always be avoided as this is the primary cause of glue pre-cure. In addition, the adhesive must be given an appropriate amount of time to cure before any use or movement of the floor. CRESDEK panels must be lowered directly onto the floor joist system with minimum movement to insure proper bonding. Do not slide panels around on floor joists after adhesive is applied as this will remove the glue which will contribute to inadequate bond between the floor decking and the floor joists. Adhesives used to bond the floor decking to the joist system must be used in strict accordance with the manufactures use and installation instructions.

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Fasteners: Fasteners must be installed along all edges and in the field where intermediate joists support each panel. Fasteners must be installed not more than 4" OC along all edges and 8" OC along all field joists. Recommended fasteners include #8 self tapping screws threaded to within 1/2" of the head or 8d duplex, ring-shank, spiral or adhesive coated nails or 16 gauge, 7/16" crown, chisel point, adhesive coated, staples or a combination of these fasteners. Fasteners must penetrate a minimum of 1 1/2" into the supporting floor joists. Fasteners should be installed perpendicular to the panel surface and no closer than 3/8" to panel edges. Maintain a minimum distance of 2" between fasteners at all times. Fasteners should never be installed in close proximity to each other or in tight "groups" as the over-installation of fasteners can reduce the strength of the joist system and the floor decking. When pneumatic tools or systems are used to install fasteners, monitor and adjust the air pressure as required to attain proper penetration and countersinking of all fasteners. Avoid "overdriving" fasteners and set or countersink all fasteners between 1/32" and 1/16" below the panel surface.

FINISH FLOOR COVERING

Prior to the installation of any finish floor covering the panel surfaces must be inspected for dirt and damage caused during construction. All damaged, pitted or gouged areas must be filled with an approved hard floor patching compound or filler. Once properly cured, the entire floor should be sanded smooth to eliminate all uneven repairs, areas or seams. The area to be covered should be cleaned of all dust, dirt and/or construction debris prior to the installation of any finish floor covering or underlayment. Once all necessary repairs, leveling, sanding and cleaning have been completed, the finish floor covering can be installed. Resilient sheet and tile goods including vinyl, linoleum, rubber or cork should not be thinner than 1/16". Solid or engineered wood, bamboo or laminate flooring products should not be thinner than 1/4". When fasteners are used to install solid or engineered hardwood or bamboo, staples rather than nails must be used. Tile or natural stone or rock should never be installed directly over CRESDEK. Ceramic floor tile or natural rock or stone can be installed only after a minimum 1/4" tile backerboard such as Duroc, Hardibacker or an equivalent is first installed over the CRESDEK. **And, when tile is installed over CRESDEK covered with tile backerboard, joist spacing must not exceed 16" OC.** Contact Hambro Forest Products, Inc., at 800-442-6276 for recommended installation instructions regarding various finish floor covering materials including; carpeting, linoleum, sheet vinyl, composition vinyl tile, rubber, cork, solid hardwood strip, engineered hardwood plank or parquet, engineered hardwood longstrip, bamboo, laminate, ceramic tile or natural rock or stone such as granite, marble, limestone or slate.

STORAGE AND HANDLING

As with all dry wood products, store CRESDEK on a flat surface off the ground in a clean dry area under cover to maintain the highest quality product at time of installation. When stored outside CRESDEK should be covered with plastic sheets or tarps with the covers open and away from the sides and bottom to allow adequate air circulation until installed. Additional protection may be appropriate during periods of severe weather. Store units or panels on flat surfaces supported by a minimum of three stickers for 8' long units. Add a minimum of one additional sticker for each two foot increment in panel length. Limit the height of the stack to 4 or 5 units. All stickers between units must be of equal thickness and all stickers must be aligned vertically between units throughout the stack.

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