



Casabella® Vinyl

ScubaSeal Installation

With Video Link

Congratulations on choosing ScubaSeal. ScubaSeal Rigid Core Flooring has the beautiful designs that are perfect for your active lifestyle.

- Distinctive Designs
- Beautiful Hues and Colors
- Detailed Embossing
- Easy to clean: No buffing or waxing
- 100% Waterproof
- Incredibly Durable
- Dent/Scratch Resistant
- Noise Reducing
- Stain Resistant
- No Transition pieces needed in most installations

Don't settle for anything less.

Recommended Uses:

- Residential
 - Any enclosed room in the house to include 3 season rooms
- Commercial Applications
 - ScubaSeal has a PSI greater than 3000 (test performed without the cushion back)
 - ScubaSeal is your best choice in the industry for Commercial applications
 - For Commercial applications, contact us to work with our design professionals to best fit your jobsite requirements.

General Requirements:

- Always store and transport cartons stacked neatly on a smooth, flat, solid surface
- Do not stack more than 10 cartons high
- It is best to acclimate flooring and room at a constant temperature between 65F and 85F for 48 hours prior to, during, and 48 hours after installation.
- If these conditions can't be met, flooring should be acclimated in the install environment for 48 hours.
- ScubaSeal can be installed in 3 season rooms that are completely enclosed and over a concrete slab. At least 5/8" must be allowed for expansion in these installations. It is not recommended for applications where the temperature is below -20 degrees F or above 150 degrees F.
- For new residential construction, ScubaSeal may be installed under cabinets but it must be fully adhered to the floor using a high quality pressure sensitive adhesive designed for LVT. If not fully adhered, cabinets or island may not be installed over ScubaSeal.



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- Additional underlayment pad is not recommended and may void your warranty.
- Mix planks from several different cartons to ensure a random appearance.
- Always allow a ¼" expansion space around the entire perimeter of the room and at all fixtures and pipes for any installation under 4,356 sq. ft. and runs less than 66 feet. For jobs above 4,356 sq. ft. and runs greater than 66 feet, allow at least 5/8 inch for expansion. Cover all exposed edges with trim or fill the gap with a high quality silicone caulking.
- Mix planks from several different cartons to ensure a random appearance.

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Preparing the Area

- Remove all furniture and appliances from the room(s)
- Remove wall and doorway trim
- Undercut door casings
- Remove all debris and equipment that may damage finish

Wood Subfloors

ScubaSeal is suitable for installation over double layer wood subfloors that are a minimum of 1" thick, or single layer subfloors constructed with APA rated Sturd-I-Floor panels, 23/32" or heavier. Joist spacing should not exceed 19.2". Set fasteners 1/32" below the subfloor surface, sand joints, smooth and fill holes or gaps wider than 1/8 inch wide. Install suitable underlayment when necessary to achieve a flat or solid surface. ScubaSeal planks can be installed over underlayment grade plywood, lauan plywood and other underlayments recommended by the manufacturer for use with rigid core flooring. Installation over oriented strand board and particle board is not recommended, unless it is underlayment grade and non-weathered since these panels present a greater risk of sub-floor instability and can detract from the performance of the floor. Wooden subfloors installed over a crawlspace should have a moisture barrier installed in the crawlspace with at least 18 inches of ground clearance. Wood floors installed directly on concrete or installed over sleeper construction are not satisfactory for installation and should be removed. Repair all squeaks prior to installation. Wood subflooring moisture should not exceed 15%. Install planks at a 90 degree angle to any existing wood floor.

NOTE: Avoid subfloors with excessive vertical movement or deflection because subfloor movement will telegraph through to the finished installation. Indications of excessive deflection are subfloor fastener release, squeaking, compromised or sectional contours such as bowing or dipping in floors and uneven flooring material. Nail or screw subfloor panels to secure boards with excessive vertical movement or deflection prior to installation of the ScubaSeal planks. If the subfloor has excessive vertical movement (deflection) before installation of the flooring, it is likely it will do so after installation of the flooring is complete. Our warranties DO NOT cover any problems caused by inadequate



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substructures or improper installation of said substructures. The suitability of any subfloor is the responsibility of the installer and final consumer.

Concrete Subfloors

All concrete floors must be properly cured and allowed to dry for at least 60 days after the curing process. ScubaSeal planks can be installed over concrete on all grade levels, if a proper moisture barrier is used. Moisture vapor emissions should not exceed 3 lbs./24 hours per 1,000 sq. when tested with the Anhydrous Calcium Chloride Test in accordance with ASTM F 1869 or 80% RH in accordance with ASTM F 2170 "Standard Test Method for Determining Relative Humidity in Concrete Slabs using in situ Probes. A 6-mil polyurethane moisture barrier should be used with concrete subfloors. Fill cracks, saw cuts and control joints and level uneven areas that exceed 1/16" in 3'. Do not install flooring over expansion joints. All subfloors must be patched or leveled an industry standard Portland Cement product that is water resistant and non-shrinking.

Existing Floors

ScubaSeal planks can be installed over a variety of finished floors including single layer resilient sheet floor and tile, ceramic, marble and terrazzo. The surface must be in good condition and show no signs of excessive moisture conditions. Level deep or wide grout lines with embossing leveler. Do not install flooring over cushioned floors or over tile installed over concrete below grade level. The grout joints in ceramic tile and marble must be leveled so they are flush with the tile surface. Additionally, the tile may require several skim coats to achieve a flat surface.

Radiant Heated Systems

ScubaSeal planks can be installed over in-floor radiant heating systems provided the subfloor surface does not exceed 85 degrees F at any point. The initial floor temperature should not exceed 70 degrees F for 24 hours prior to and 48 hours after installation. Thereafter, the temperature should be gradually increased to the desired setting up to 85 degrees F. Radiant heating systems that are installed on top of the subfloor surface and covered with self-leveling underlayment are not recommend.

Asbestos Warning

WARNING! DO NOT MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER ADHESIVES.



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Previously installed resilient floorcovering products and the asphaltic or cutback adhesives used to install them may contain either asbestos fibers and/or crystalline silica. The products in this carton DO NOT contain asbestos or crystalline silica. Avoid creating dust. Inhalation of asbestos or crystalline dust is a cancer and respiratory hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the previously installed product is a non-asbestos containing material, you must presume it contains asbestos. Regulations require that the material be tested to determine asbestos content and may govern the removal and disposal of material. See current editions of the Resilient Floor Coverings Institute (RFCI) publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures.

Tools Required

- Electric Saw
- Carpenter Square
- Chalk line
- Tape Measure
- Pencil

Installation

- For best appearance planks should be installed parallel to the long dimension of the room and preferably parallel with outside light sources i.e. windows and doors.
- Determine the layout to achieve the largest cut planks at the walls and snap a chalk line at the starting point.
- Install planks in a random layout. Start with a whole plank in the left-hand corner of the room with the tongue side and end toward the wall. Lay the first row of planks along the chalk line and trim to fit to the wall allowing the appropriate amount of expansion space. Note: If starting the first row with a whole width plank it will be necessary to trim the tongue off against the wall. Always place the cut edge against the wall.
- Attach the end joints of the planks in the first row. Insert the tongue into the groove while holding the plank at a 20° to 30° angle to the floor. Apply pressure inward and down until the planks lock together. Use spacers between the edge and end of the planks and the wall to maintain the appropriate amount of expansion space.
- Start the second row using 1/3rd of a plank. Place the cut end against the wall. Insert the tongue on the long side of the plank into the groove of the plank in the first row. Hold the plank in a 20° to 30° angle while applying pressure inward and down until they lock together. To complete the second and all successive rows it will be necessary to lock the short end into the previous plank first before locking the long side of the plank. Angle the plank and push the tongue into the groove and adjust it until the tongue locks into place. It may be necessary to lift both planks slightly to lock the joint together. Complete the second row allowing a ¼" expansion space at the cut plank at the end of the row.



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- Start the third row using 2/3rds of a plank with the cut end against the wall. Complete each row thereafter using a random layout with end joints off-set by at least 8". Plan the layout to avoid using small planks (less than 6") at the walls. The cut piece at the end of the row can often be used to start the next row provided it achieves a random layout. Always place the cut end against the wall and allow the proper amount of expansion space.
- ScubaSeal planks are unique in that they can also be installed with a pull bar or tapping block and rubber mallet in difficult areas, such as the last row, and when fitting around door trim. Use a pull bar and rubber mallet to lock the joints together in the last row. Always use a pull bar on the cut edge of the plank. Factory edges can be damaged if the pull bar is used directly against them.
- When fitting around door trim it will be necessary to slide the plank under the trim. This can be accomplished easily by starting the row on the side of the room with the door trim and then sliding the plank into place once it is attached. The row can be completed by inserting the tongue in to the groove or the groove into the tongue depending on the direction. Use a series of light taps until the joint is gradually locked together.

Special Instructions:

Bathrooms

ScubaSeal can be installed around the toilet leaving a 1/8" expansion space. Use a high quality silicone caulking to fill the expansion space at the tub, shower and all wet areas to prevent surface water seepage under the floor.

Stairs

ScubaSeal planks can be installed fully adhered over steps using a high quality pressure sensitive luxury vinyl tile adhesive. Follow the instructions on the adhesive for trowel size and drying time. Always use a flush stair nose molding to finish each step at the nose.

Finishing the Job

Remove all spacers. Install wall trim lightly over the floor surface. Drive fasteners into the wall and not the floor. When installing doorway transition moldings allow a ¼" expansion space between the edge of the floor and the molding. Do not drive fasteners in to the floor. Return appliances to the room by rolling or sliding over strips of hardboard to prevent damaging the floor.

[INSTALLATION VIDEO](#)