



## SHEET VINYL GENERAL INSTALLATION INSTRUCTIONS

### WARNING

Prior to installation, please ensure that the product received is the correct style and color as well as to the customer's satisfaction. If there are any doubts, do not install the flooring and contact the retailer. Beaulieu® will not be held responsible for any costs relating to the installation of unsatisfactory or incorrect product.

Beaulieu sheet vinyl with foam backing is a **Lay Flat / Stay Flat** flooring that can be installed with the loose lay (up to 25 y<sup>2</sup> (20.9 m<sup>2</sup>), with no seams) or full spread glue methods on residential installations only. Beaulieu's sheet vinyl with white textile backing may be installed loose lay up to 48 y<sup>2</sup> (40 m<sup>2</sup>) with one seam. Beaulieu's sheet vinyl with black textile backing may be installed loose lay up to 55.56 y<sup>2</sup> (46.5 m<sup>2</sup>) with one seam.

Depending on the layout of the room and type of traffic, the full spread glue method may be recommended. **Caution:** Do not install sheet vinyl flooring using the perimeter glue installation method.

### TOOLS AND MATERIALS REQUIRED

#### Loose Lay

- Measuring tape
- Utility Knife
- Floating seam tape
- Wall trimmer (optional)
- Straight edge
- Square
- Silicone caulk (if required)

#### Full Spread Glue

- Adhesive
- Chalk line
- Steel hand roller
- Recommended trowel size: as per manufacturer's guidelines
- 75 - 100 lb (34.09 – 45.45 kg) floor roller
- Beauflor seam sealer (Seam Bond)
- Silicone caulk

#### Other Tools

- Undercut saw
- Mineral spirits
- Hammer
- Nails
- Pry Bar

### Material handling and storage

Store the flooring in a dry, temperature controlled interior area between 65 °F - 85 °F (18.3 °C - 29.4 °C). Avoid temperature extremes. Do not bend the rolls.

- Acclimate the flooring for 24 hours to the temperature of the room in which it will be installed.
- Roll the flooring face out on a sturdy core until ready to install.
- Fully support the roll on a flat surface so that the entire roll sets and indentations are avoided.

### SUBFLOOR PREPARATION

All subfloors must be dry, clean, smooth, dust-free and structurally sound. Remove any substance that would interfere with the adhesive bond or would show through the flooring such as old adhesive, paint, varnish, wax, oils, solvents and all foreign matter.

- All moldings should be removed for best results.
- Any loose spots in wood subfloors need to be secured.
- For full spread glue installations, use a Portland-based flooring patching compound.

Moisture Limitations – Beaulieu recommends that concrete subfloors not exceed **75% Internal Relative Humidity** when tested per ASTM F 2170.

Surface temperature of the substrate must be maintained between 18,3 °C (65 °F) et 29,4 °C (85 °F), 48 hours prior, during and after the installation.

### Approved Subfloors

All subfloors listed below must be properly prepared and meet the basic requirements.

### FULL SPREAD GLUE INSTALLATION

Concrete

- On, above, and below grade that complies with all provisions of ASTM F 710.
- Radiant-heated concrete floors with temperatures below 85 °F (29.4 °C).
- Surface temperature of the substrate must be maintained between 18,3 °C (65 °F) et 29,4 °C (85 °F), 48 hours prior, during and after the installation.

Wood:

- Minimum 1" (2.54 cm) total thickness.
- Minimum 18" (45.72 cm) of well-ventilated air space beneath the wood substrate.
- All crawl spaces must be insulated with a vapor retarder.
- The top layer of the wood substrate must be completely free of knots or other voids in its surface.
- 1/4" (6.4 mm) plywood underlayment covering unapproved wood subfloors per the manufacturer's specific installation instructions.
- Surface temperature of the substrate must be maintained between 18,3 °C (65 °F) et 29,4 °C (85 °F), 48 hours prior, during and after the installation.

**Caution:** Do not install over 'sleeper' floors or plywood floors that have been installed directly over a concrete slab.

### LOOSE LAY INSTALLATION

- Well adhered ceramic tile, terrazzo, marble.
- Polymeric poured floors.

- Radiant-heated concrete floors with temperatures below 85 °F (29.4 °C).
- Surface temperature of the substrate must be maintained between 18,3 °C (65 °F) et 29,4 °C (85 °F), 48 hours prior, during and after the installation.

#### Unapproved Subfloors

- OSB, particleboard, or wafer board.
- Plywood underlayment not manufactured in accordance with APA standards.
- Existing PVC floors that are installed on concrete.
- Existing multi-layered or cushioned floors (including sheet vinyl flooring).
- Carpet.
- Wooden plank flooring.
- Floors with adhesive residue.
- Wood floors installed directly over concrete.
- Concrete floors cleaned using chemical adhesive removers.
- Radiant-heated concrete floors with temperatures exceeding 85 °F (29.4 °C).

#### RECOMMENDED ADHESIVE

Beauflor 4N1 Pressure Sensitive Adhesives are solvent-free acrylic emulsion specifically designed for installing Beaulieu sheet vinyl flooring in residential applications on approved wood and concrete subfloors.

4N1 – Spread adhesive with a trowel:

- Trowel size: 1/16" x 1/32" x 1/32" (1.6 mm x 0.8 mm x 0.8 mm) spacing, U-notched trowel blade.
- Spread rate: 220-260 sq. ft. (20.4m - 24.1 m<sup>2</sup>) per gallon.

If Beauflor 4N1 is not available, Mapei 220 can be used for sheet vinyl with textile or foam backing. Roberts 3300 can be used for sheet vinyl with textile backing. PLEASE FOLLOW THE INSTRUCTIONS LISTED ON THE CONTAINER OF THE ADHESIVE, INCLUDING THE USE OF A SUITABLE TROWEL.

#### INSTALLATION INSTRUCTIONS

Beaulieu sheet vinyl flooring can be installed with adhesive (full spread) or without adhesive (loose lay).

##### Installations requiring the full spread glue method

- Foam backing: All installations over 25 y<sup>2</sup> (225 sq.ft. / 20.9 m<sup>2</sup>), with no seams.
- White Textile backing: All installations over 48 y<sup>2</sup> (432 sq.ft. / 40 m<sup>2</sup>), with no seams.
- Black Textile backing: All installations over 55.56 y<sup>2</sup> (500 sq.ft. / 46.5 m<sup>2</sup>), with no seams.
- All installations that require more than one seam or if the seam length is over 20' (6.1 m).
- All installations in areas that will be subjected to heavy rolling traffic (portable dishwashers, microwave carts, wheel chairs, etc.).

##### Basic rules for all installations

- Leave a 1/4" (6.4 mm) expansion space between flooring and all vertical obstructions (walls, cabinets, pipes, etc.).
- Undercut door moldings to allow the flooring to slide freely under the molding.
- Beaulieu sheet vinyl flooring must not be perimeter-glued.
- Do not install cabinets on top of loose lay floorings.

**LOOSE LAY INSTALLATION WITH NO SEAMS**

- Measure the room and precut the flooring, adding extra for trimming. Unroll the precut flooring and position in the room.
- Once flooring is positioned, allow it to acclimate to the temperature of the room for 20 - 30 minutes prior to fitting.
- Long lengths of flooring may have a tendency to bow or twist during layout and installation. Ensure that the material is lying completely flat and the pattern is properly aligned before final fitting.
- Fit the flooring using the freehand method. In areas where installation is complex, make a pattern using scribing felt.
- Leave a 1/4" (6.4 mm) expansion space between the flooring and all vertical obstructions (walls, cabinets, columns, pipes, etc.).

**IF ONE SEAM IS REQUIRED**

Only products with textile backing can be installed with the loose lay method and one seam. It is important that each piece is cut from the same parent roll. This will ensure that you have true color match along the seam. To keep seam visibility to a minimum, position the seams whenever possible so that:

1. Main traffic runs parallel to instead of across the seam.
2. Light doesn't strike directly across the seam.
3. Seams are not located in areas subject to pivoting traffic.
- 4) In doorway openings connecting adjoining rooms, parallel seams are required. If pieces are cut from different rolls, please check with your supplier to ensure rolls have the same batch number. Beaulieu will not accept responsibility for color variation.

Seam cuts required in the primary part of a room should be made after the product has been rough cut and is lying flat in position but prior to final fitting. Overlap the vinyl flooring and bring the pattern into an exact match. The most accurate method of maintaining the pattern grout line/plank joint width is to make the seam cut alongside the grout line/plank joint. With sheets aligned, position the steel straight edge so it completely covers the grout line/plank joint of the top sheet. Using the straightedge as a guide, cut the length of the seam in the "shadow" of the grout line/plank joint with a utility knife. This technique will ensure that all grout lines/plank joints are of the same width. (Scribe cutting will produce the best results on the seam). Cut the seam net, not full. Do not add fullness to the cut by placing scrap under the seam. Keep the utility knife blade parallel to the straightedge, at a 90° angle to the floor covering. Fold back one side of the cut seam and remove the scrap piece. Using a pencil, mark a line on the substrate along the seam to be used as a reference for positioning the acrylic single sided tape. Install the tape centering it under the seam. Use a hand roller or clean cloth to press it against the substrate. Peel the release layer off the tape begin to carefully reposition the two sides of the seam on top of the tape.

Carefully fold back about 8" of the vinyl along both edges. While the edges are folded back apply a small bead of a Low Gloss Cold Weld Seam Sealer to the edge of the vinyl that is on the floor. Tuck the seam edges together and wipe off excess with a clean dry cloth. If seam sealer hardens on the surface use denatured alcohol on a rag to clean up the seam. Protect the seam and allow it to dry. Do not clean or allow heavy furnishings or appliances to be moved across the seam for 24 hours. When possible, use some type of hard material to roll appliances into place or lift appliance.

Note: When using a new blade for cutting seams, clean oils off the blade with denatured alcohol to prevent contaminating the seam.

### FULL SPREAD GLUE INSTALLATION

- Place the Beaulieu flooring in the area where it is to be installed and align it with the wall and door openings.
- Trim excess material along walls, leaving 1.5" (3.8 cm) up the walls.
- Make relief cuts at corners and projections to allow the sheet to lay flat.
- After pattern alignment, cut with a sharp knife or trimmer leaving a 1/8" (3.2 mm) gap.
- Fold back half of the sheet and spread Beaulieu adhesive.
- Follow adhesive manufacturer's instruction for flash time, working time and cure time recommendation.
- Immediately roll the sheet in both directions with a 3-section, 75 - 100 lb (34.09 - 45.45 kg) roller.
- Follow the seam sealing method to seal the seams.

### SEAM SEALING METHOD

#### First sheet:

- Measure the room and precut the first sheet allowing extra material for trimming.
- Unroll the flooring and position in the room. Once positioned, allow it to acclimate to room temperature for 20 - 30 minutes prior to fitting.
- Long lengths of flooring may have a tendency to bow or twist during layout and installation. Ensure that the material is lying completely flat and the pattern is properly aligned before final fitting or cutting the seam.
- Fit the flooring using the freehand method. In areas where installation is complex, make a pattern using scribing felt.
- Leave a 1/4" (6.4 mm) expansion space between the flooring and all verticals (walls, cabinets, columns, pipes, etc.). This space will be covered with molding or cove base.
- Around door moldings, cut the flooring slightly longer and slide it under the undercut molding.

*Note: Beaulieu recommends the double-cut method for cutting seams. We do not recommend the straight edge and butt method for seaming.*

#### Second sheet:

- Cut the second sheet allowing extra material for pattern match.
- Overlap the seam edges to obtain exact pattern match.
- It is not uncommon to experience some minor run-out of the pattern when placing the seam on long pieces of flooring.
- Handle each length of flooring in exactly the same manner. For example: If the first length was back rolled when positioned on the floor, each additional length installed afterwards must also be back rolled.
- In order to obtain the proper overlap of the selvage edges, make a cutout match window on the outside edge of the grout line along the factory edge.



Cutout windows at the seam to align pattern

- Make a cutout every few feet depending on how long the seam is. These cutouts will allow you to properly align the pattern match at the seam overlap.
- After the exact pattern match has been achieved, place masking tape at the seam overlap to prevent flooring from moving and shifting. Fit the second sheet around the perimeter of the room.
- Remember to leave a 1/4" (6.4 mm) space between flooring and all vertical objects.
- Lay a straight edge along the center of seam overlap or grout line. If grout line is 1/8" (3.2 mm) wide or less, place straight edge along outside edge of grout line.
- Using the straight edge, cut through both sheets with a sharp, sturdy utility knife.
- Hold the knife straight up and down at a 90-degree angle to produce a vertical cut. Do not tilt the knife blade.



Scrap piece placed under the seam - double cut with a straight edge

- Place a scrap piece of flooring under the seam overlap to protect the knife point and the substrate beneath the seam.
- When installing over an existing floor, do not cut into the existing floor.
- Lift the top edge of the flooring and carefully remove both selvage pieces.
- Mark the subfloor along the seam edge with a pencil. Do not contaminate the seam edge with pencil lead. Do not use a ball point pen or any ink tool as it can bleed through the floor.
- Fold back each sheet at the seam area to expose the seam line.
- Position the first half of the seam centered on the line and roll the flooring seam edge thoroughly.
- Apply a small line of the Beauflor Seam Bond adhesive along the edge of the flooring (see left photo below).
- Beginning in the center of the length of the seam, check the pattern match and put the seam together.
- Work from the center of the seam both ways, keeping the pattern match aligned.
- Tuck the flooring into the seam forcing the adhesive up.
- Once the seam is placed together, clean all the adhesive off the surface of the flooring using a clean white cloth dampened with water (see right photo below).
- Roll the seam with a steel hand roller immediately after cleaning the surface.
- Clean the seam again with a clean white cloth dampened with water.
- Keep traffic off the seam for a minimum of 12 hours.



Beauflor Seam Bond application and clean up with a damp cloth

## INSTALLATION VIDEOS

**Full spread glue installation:** [https://www.youtube.com/watch?v=XZ6XSL0\\_if0](https://www.youtube.com/watch?v=XZ6XSL0_if0)

**Cold welding installation:** <https://www.youtube.com/watch?v=X-boTlunVOo&t=6s>

## Homeowner Obligations

To maintain warranty coverage and ensure fast and easy warranty service, the homeowner is responsible for the following:

- Keep two square feet (0.2 m<sup>2</sup>) of excess unused sheet vinyl remnant after installation for testing purposes.
- Keep and be able to provide the original sales receipt or documentation illustrating proof of purchase and installation date of the product.
- Make sure the flooring is installed according to Beaulieu Installation Instructions.
- Keep a list of cleaners used to maintain the flooring.

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Please visit our website at [beaulieucanada.com](http://beaulieucanada.com) for the most up-to-date version of this document as it may have been revised and updated since this printed version.

Warranty Guide as well as Care and Maintenance instructions can also be found on our website at [beaulieucanada.com](http://beaulieucanada.com), or you may contact your retailer.