

SignatureFlex™

Perfectly Flexible Moldings.



SignatureFlex is our flexible molding product line designed for curved architecture and is the perfect companion to Seneca Millwork's quality hardwood transitions.

Made out of VOC free polyurethane material and manufactured in the USA, SignatureFlex™ is a strong, durable alternative to custom wood applications and polyester solutions. It is impervious to moisture, won't rot or swell, and is designed for interior or exterior use. Flexible moldings are available unfinished in a smooth surface that can be painted, or in a wood grain texture that can be painted or stained.

The standard molding length is 12 feet. SignatureFlex can be ordered in straight or pre-curved pieces. Straight moldings may have some flexibility limitations, so pre-curved may be the best solution for your application if the radius is tight. Flexibility depends upon several factors—shape, size, direction it will be bent, and application. Pre-curved moldings remain flexible and will be adjustable for minor variations. There is no additional cost to order pre-curved SignatureFlex.

Profiles

Our standard transition molding profiles include a variety of reducers, stair nosings, thresholds, t-moldings, wall base, quarter round, base shoe and cove. They are available in smooth (maple) or wood textured (oak) surface options. For sizes and additional flexible molding profiles, visit senecamillwork.com.



Installation: Preparation

- SignatureFlex will arrive coiled in a carton and is yellowish-beige in color before painting or staining. Remove from the carton, bend backwards and heat in the sun or a heated area to let the material relax back into its original shape. Our flexible moldings install best when heated to 70° to 80° to bend easier and should only be installed in its relaxed position.



- Double-check the molding style and application before proceeding. Verify that the molding flexes in the shape you want before continuing with installation—DO NOT force it in place to install or it may buckle.
- Make certain the surface you are applying the material to is flat and smooth to prevent irregularities telegraphing to the surface of the molding.
- DO NOT paint, stain or apply polyurethane on the material prior to installation as the material may flex during installation and cause fractures in the finish.

Installation: Cutting

- SignatureFlex may be cut, fitted and fastened in the same manner as real wood. Miter saws work well when trimming this material. When using a miter saw, hold the material firmly to the table or fence when cutting.
- Cut the material long and then shave to the exact length—use several shallow passes rather than one deep cut.
- Our product can also be sanded, but sanding the face of the molding may remove any wood grain texture.

Installation: Fastening

- Pre-determine material placement and layout prior to fastening the molding in place.
- For best results, SignatureFlex can be installed with polyurethane construction adhesive, mastic or resin epoxy glue. DO NOT use wood glue. Sand the back of the molding for better glue adhesion. Apply the adhesive continuously on the back side of the molding and set the molding in place. If necessary, tape or weight the molding in place until the glue dries.
- If necessary, nails and screws may also be used to install the material. A 23-gauge pin nailer works best since there are no nail heads to set. DO NOT use staples, or nails or screws with large heads as they may make the material crack, similar to wood. To avoid surface defects, DO NOT nail closer than 3/8" from the molding edge. Keep nails and screws to a minimum for best results and it is recommended that you predrill before nailing. Surface depression defects can occur if nails are not set deep enough.
- If nails are only going to be used to temporarily hold the material in place until the adhesive bonds, keep them to a minimum and no closer than 6" between nails. It is recommended to nail through a block of wood placed over the face of the material and then remove the nail and block after the adhesive cures. Glue joints and miters with any fast cure resin or epoxy glue.



Installation: Painting

- Never paint before installation as the material may flex during the install and cause fractures in the finish.
- All SignatureFlex profiles can be painted. With a lint-free cotton cloth—wipe the surface clean with minimal amounts of paint thinner, a mild solvent, or with soap and water to remove any residues from the surface and let dry. DO NOT use mineral spirits.
- Fill any imperfections or depressions with hard plastic resin filler, let dry, and then sand the surface flat. Install the material, then mask off any adjacent non-paint areas.
- A primer coat is recommended but not required. For best results apply an oil-based paint. Let it dry completely.

Installation: Staining

- Never stain before installation as the material may flex during the install and cause fractures in the finish.
- Note that a few SignatureFlex profiles are available in paint grade only and are not suitable for staining. Profiles with smooth (maple) or wood texture (oak) can be stained. Note that oak grain will show more wood-like texture than the maple grain. The wood grain appearance can be affected if the surface is scratched, sanded or altered.
- Gel stain or ones with heavy pigments are recommended. Penetrating stain products will not work. It is highly recommended to practice staining on an extra piece of SignatureFlex to achieve the correct color before staining the piece to be installed. Achieving light natural wood colors may require stain tinting and glazing techniques.
- With a lint-free cotton cloth—wipe the surface clean with minimal amounts of paint thinner, a mild solvent, or with soap and water to remove any residues from the surface and let dry. DO NOT use mineral spirits.
- Before staining, fill any imperfections or defects with stainable wood filler and let it dry. Fasten the product without using nails for best stain results. Install the material, then mask off any adjacent non-stain areas.
- Wipe on the stain with a brush or sponge and lightly remove any excess with a lint-free cotton cloth; dry brush the color lighter or darker if necessary. Let it dry completely.
- DO NOT apply any topcoat finish on the material until after installation as the material may flex during the installation and cause fractures in the finish. Apply clear coat over the stain using spray application only (lacquer, polyurethane or varnish). Note—brushing on the clear coat may remove the stain if it is not completely dry. DO NOT sand in-between coats.

