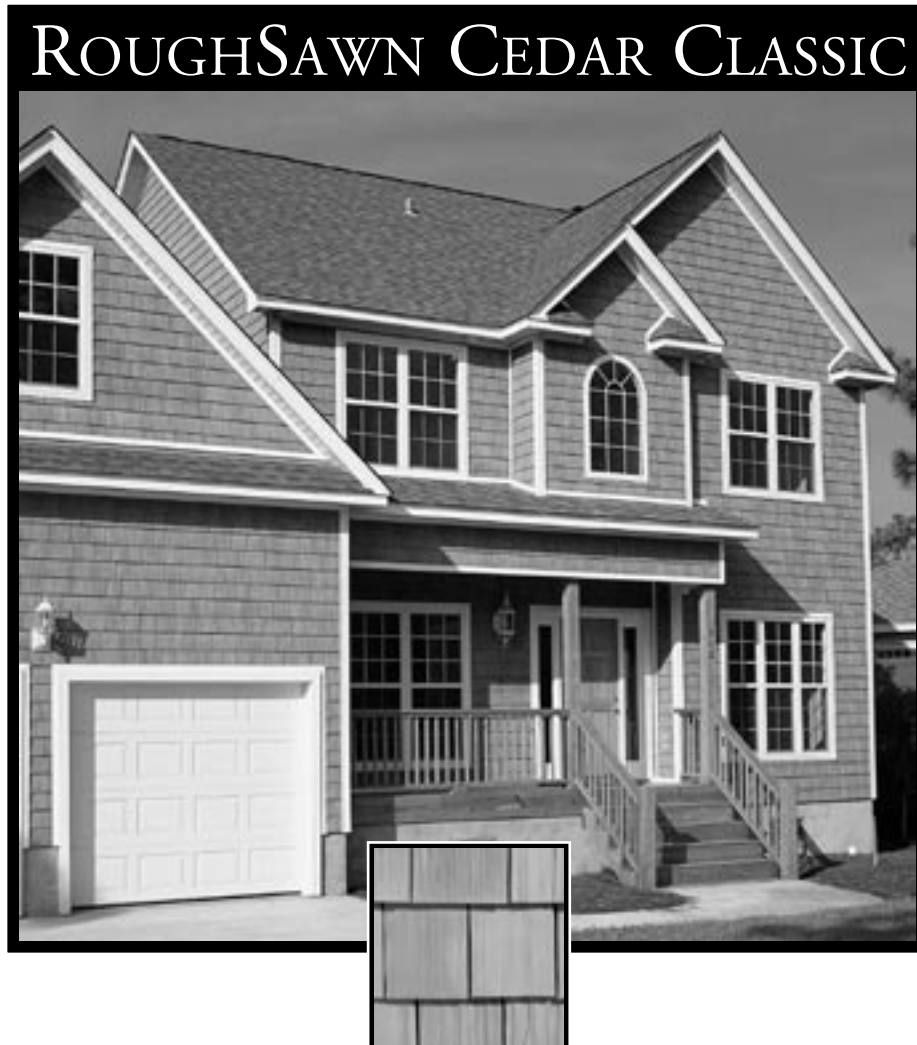


Installation Guidelines



Nailite provides these instructions as installation guidelines. Nailite, however, neither installs the panels nor has any control over the installation. It is the responsibility of the contractor and/or the installer to ensure Nailite siding panels are installed in accordance with these instructions and any applicable building codes. Nailite assumes no liability for either improper installation or personal injury resulting from improper use or installation.

Tested per ICC NER-580.



NAILITE

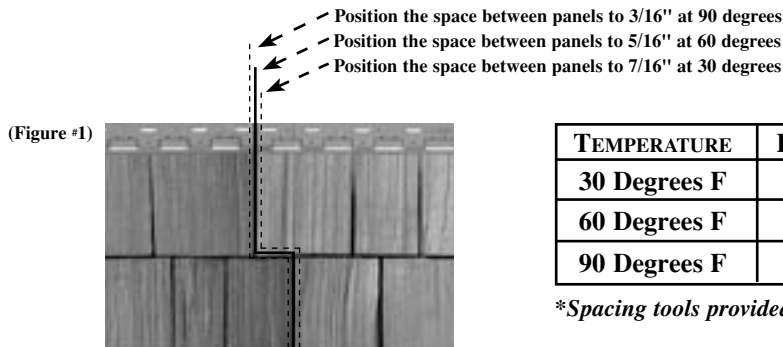
head over heels over home

For more information on Nailite and its wide variety of state-of-the-art products, please call us at (305) 620-6200; or fax to (305) 623-8227; or write: 1111 NW 165th Street, Miami, Florida 33169-5819

www.nailite.com

BASIC GUIDELINES:

1. Always work from left to right, completing installation on one wall before beginning another, always starting at the lowest point of the structure.
2. As with any plastic exterior building materials, Nailite panels will expand and contract with a change in temperature. Therefore, during installation, it is necessary to position the panels properly to compensate for temperature effects. Note that the average spacing between shingle seams within a panel is approximately 1/4". Use caution not to force panels up into the fingers of the lower row, as this will override the expansion joints and may cause buckling. Storing panels in heated areas make them more pliable, allowing for easier installation in colder temperatures. Store panels on edge, do not stack flat.

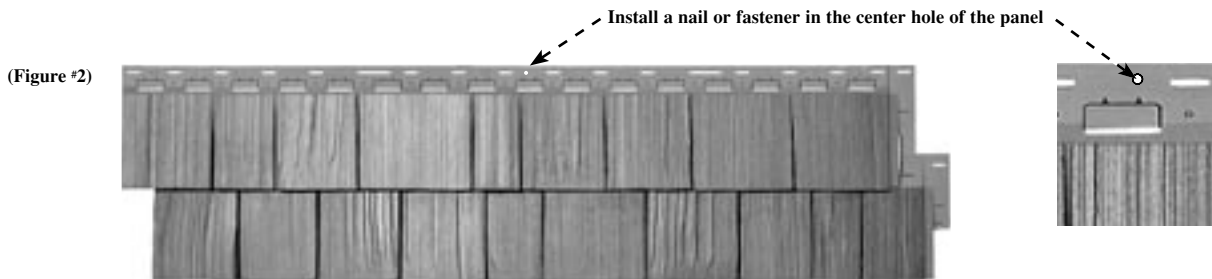


TEMPERATURE	PANEL SPACING	SPACING TOOLS*
30 Degrees F	7/16"	Blue
60 Degrees F	5/16"	Yellow
90 Degrees F	3/16"	Red

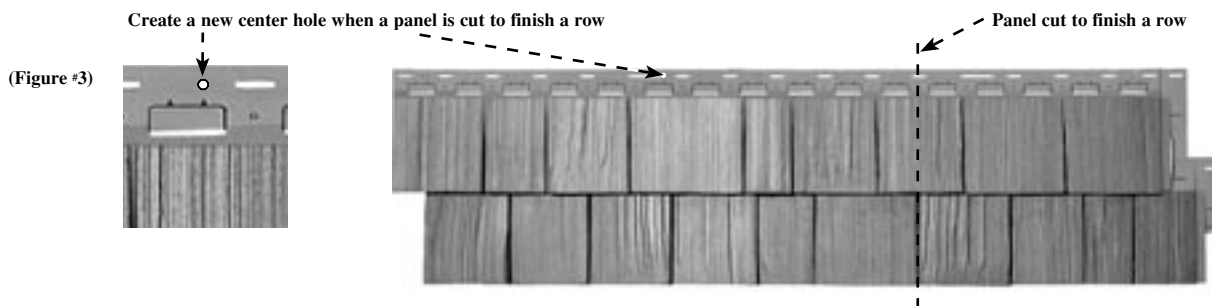
*Spacing tools provided in most cartons.

Important Installation Update: If there are no spacing tools and your panel has a single spacing line, use the following guidelines for positioning: When installing at panel temperatures from 30 to 100 degrees Fahrenheit, position the next panel (See Figure #1) so that its upper left edge is on the spacing line. For installations at temperatures outside of this range, space the panels so that the upper left edge of the adjacent panels are 55-3/4 inches apart.

3. After positioning the panel at the proper spacing for the installation temperature, install a nail or fastener in the center hole of the panel. By attaching a fastener through the center hole, the panel will move evenly in both directions from the center out. (Figure #2)

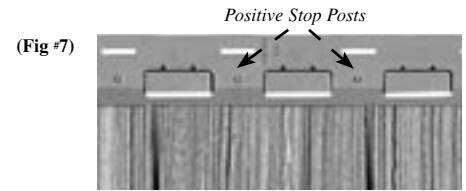


4. If the panel is a partial panel used at either end, a new center hole should be created, by drilling a 1/8" hole in the top flange, near the center of the panel at the same height as the other installation holes. (Figure #3)

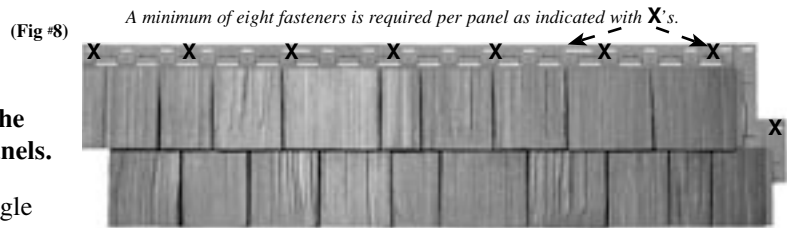


5. Variations in shade and color are an inherent characteristic of Nailite's shaded colors. Shaded means the variegated cedar panels and brick and stone panels (see brochure for specific colors). It is recommended that the entire wall to be covered be purchased at one time using the same lot numbers. Before installing Nailite's shaded colors please verify that the lot numbers are the same. Installed siding is considered acceptance of product and no claims for color match will be honored after installation.

STEP SIX: Note: Nailite provides positive stop posts 1/8" below the top edge of installation fingers. When installing succeeding rows of panels do not force the panels beyond the stop posts. The stops are designed to prevent buckling due to changing temperatures. (Figure #7) The panel requires a minimum of eight fasteners per panel as shown. (Figure #8) A closer spacing of fasteners is required for high velocity wind areas; for details refer to report NER-580. The non-corrosive fastener must be installed into a solid substrate of no less than 7/16" thick.



When attaching the fasteners be sure they only lightly touch the panel allowing it to move with varying temperatures. The fastener must be installed flush with the panel, so as not to interfere with the succeeding row of panels.

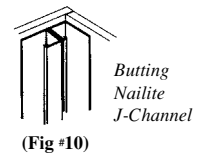
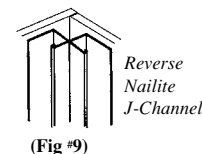


STEP SEVEN: Note that the average spacing between shingle seams within a panel is approximately 1/4". If the temperature is about 30 degrees F, position the panels so the shingle seam between them is about 7/16" wide (blue spacing tool) to allow for expansion in warmer weather. If the temperature is about 60 degrees F, decrease the spacing to about 5/16" (yellow spacing tool) thereby allowing for both expansion and contraction as the temperature changes. If the temperature is about 90 degrees F, decrease the spacing further to about 3/16" (red spacing tool) to allow for contraction in colder weather. (See Figure #1 and table) Note, for installation around 30 degrees F, also allow an 1/8" spacing around all openings. Once the panel has been properly spaced, insert a fastener into the center hole of the panel. If there are no spacing tools and your panel has a single spacing line, SEE THE IMPORTANT INSTALLATION UPDATE IN BASIC GUIDELINE #2.

STEP EIGHT: Repeat steps four through seven until you get to the last two panels at the right. Do not install the center hole fastener in these last two panels until you have inserted the end piece into a corner piece or J-channel. Then reposition the last two panels to the proper shingle seam spacing and install the two center fasteners. When completing a wall and a partial panel is used, remember to drill a new center hole and if face nailing is required, please refer to Basic Guideline #9.

STEP NINE: To create the most pleasing and authentic looking installation, the length of the starting panel of each successive row should be varied by cutting the panel RANDOMLY from the "A" cutting mark. Be sure the right end piece of the row is no less than 12" wide.

STEP TEN: Nailite J-channels may be used for inside corner treatments or you may scribe and cut panels to fit into the corner. It is recommended to sleeve the corner with vinyl or aluminum coil prior to the installation of panels. (Figure #9 and #10)



RE M I N D E R S :

Some adjustment may need to be made at the vertical overlap of two corners (as they are installed) in order to maintain the corner/panel horizontal alignment. There is approximately a 1/2" vertical adjustment available.

Fitting panels between windows or around openings requires a cut-back spacing of approximately 1/8" to allow for product expansion.

ATTACHING OBJECTS TO PANELS

Never attach fixtures directly to Nailite siding. When attaching fixtures, use a block and first drill a hole slightly larger than the shank of the fasteners, allowing for expansion and contraction. Note: fasteners for fixtures must penetrate the solid substrate.

SPECIAL SITUATIONS AND SUGGESTIONS

SITUATION

1. Panels won't lock together side to side.
2. Bottom rail will not engage into fingers of previous row.

ITEMS TO CHECK

The wall may not be level and flat. Check previous panels to ensure that all panels and installation fingers are properly seated. (See Basic Guidelines)

1. Panels are buckling on the wall.
2. Panels are not laying down flat.

Make sure the nails are not restricting panel movement. Check for proper spacing at side interlocks. Make sure all fingers are engaged into corresponding rails.