Instructional Guidelines

SEALED "N" SAFE®
PATENTED
CONTINOUS INSULATION SYSTEM

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SEALED "N" SAFE® Single Layer QR CODE

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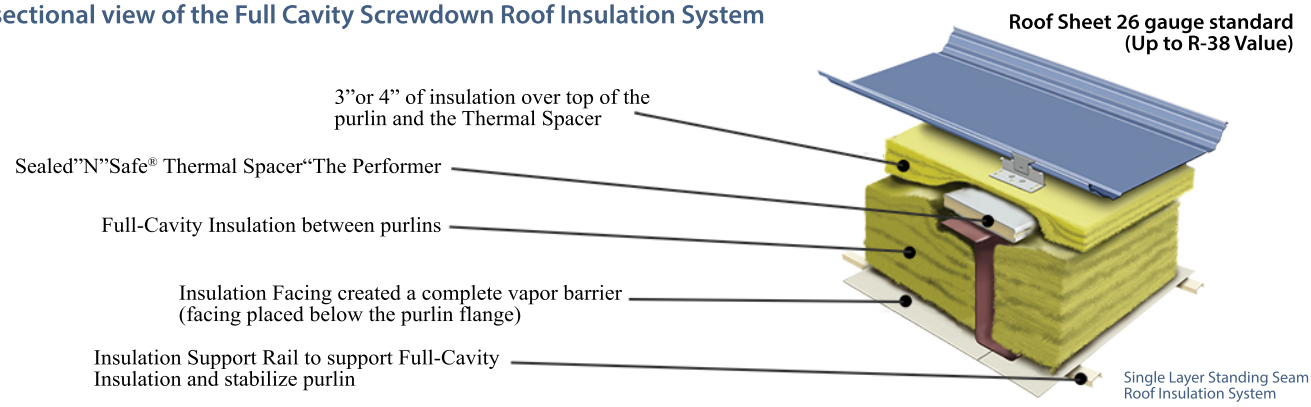
SEALED "N" SAFE® Full Cavity QR CODE

Insulation Rail *(if needed, only on Full Cavity Systems or greater)*

Our Insulation Rail is 26ga, painted Steel Rail, which is fastened to the bottom of the purlin using #12 x 3/4" SD Screws. It is a very attractive means of not only supporting the added insulation but also supporting the bottom flange of the purlin. It does not induce the tension conditions that are inherent when using banding or strapping to support the insulation. Our insulation support rails are produced in 10 and 12 foot lengths.

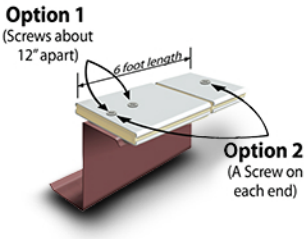
Step 1: Our insulation rails need to be fastened to the bottom of each purlin using a #12 x 3/4" SD Screw and spaced not more than 2'-6" apart as noted in the picture below.

Cross-sectional view of the Full Cavity Screwdown Roof Insulation System



Thermal Spacer

The preferred installation method is one man in a man-basket installing the SNS® Thermal Spacers ahead of the roofing crew (*option 1*). SNS® Thermal Spacers can also be installed on the go as insulation and roof sheets are installed (*option 2*).



Each thermal spacer comes in six-foot lengths which are the standard widths of two roof sheet panels and the typical width of a metal building insulation roll, making the thermal spacer easy to handle and install.

Each thermal spacer comes with two flat-head screws to hold the six-foot thermal spacer in place. (210 flat-head screws will be provided for 100 thermal spacers).

Suggestions:

- When installing the thermal spacers, center it over the flange of the purlin.
- Butt the thermal spacers end to end without added pressure.
- Consider the placement of the flat-head screws through the thermal spacer, so that the SNS® panel fasteners do not conflict with the flat-head screws.
- When installing the insulation blankets, install to industry standards in order to allow for full expansion of fiberglass.

Step 1: Install SNS® Purlin Struts between purlins if needed. (See Instructional guidlines for more information)

Step 2: Thermal spacers are placed and centered over the tops of the purlins and are attached by two #12 flat-head screws. (*Option 1*) Screw the flat-head screw at each end. (*Option 2*) Screw the first flat-head screw at the end and the second screw around 12 inches from the first.

SSR Panel Clip

Suggestions:

- Only use clips that are 1/4" taller than the profile of the panel.
- Standing Seam clips should not be located over the joints of the thermal spacer.
- Install the SSR Panel Clip in the center to ensure the clip screws are screwed through the thermal spacer and into the purlin flange below.
- Use a longer screw to fasten the SSR Panel Clip through the thermal spacer and into the purlin flange below. (SNS recommends #14 or larger diameter screw and 1" longer fastener to accommodate 1" Thermal Spacer).

Step 3: Place the insulation blanket over the thermal spacers and attach the SSR Panel Clip on top of the insulation blanket and centered over the thermal spacer. The SSR Panel Clip will be fastened through the insulation blanket and the thermal spacer to the purlin flange, for a tight connection. Complete the additional steps of the standing seam roof as to manufacturers specifications.

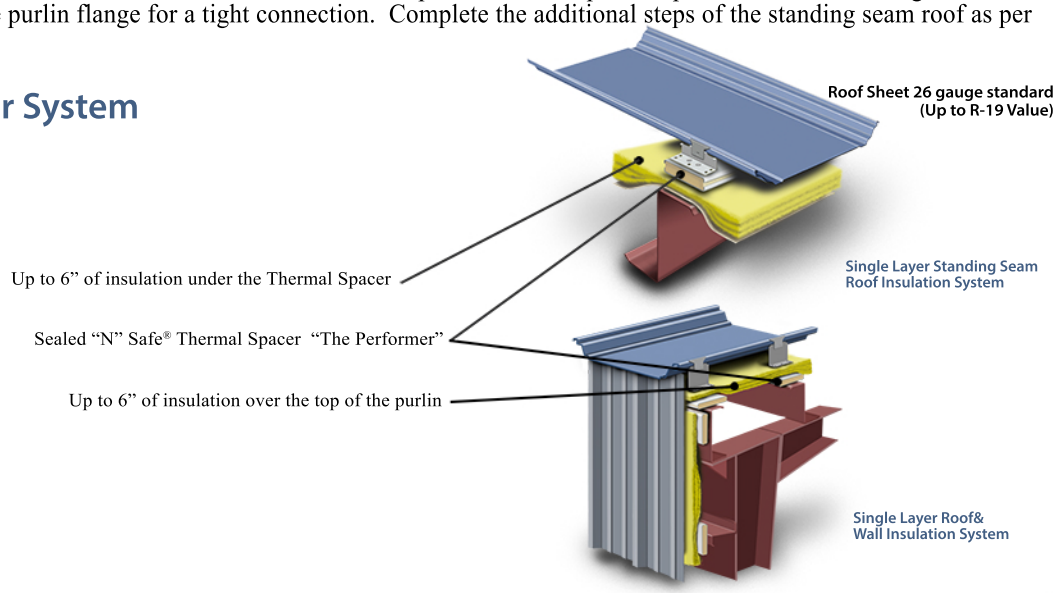
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Instructional Guidelines (continued)

The assembly process is like a typical standing seam roof. The only additional step is to set the thermal spacer in place with two flat-head screws and attach the standing seam clip through the thermal spacer, to the purlin flange. Place the insulation blanket over the thermal spacer and attach the SSR panel clip on top of the insulation blanket and centered over the thermal spacer. The SSR panel clip will be fastened through the insulation blanket, the thermal spacer, and into the purlin flange for a tight connection. Complete the additional steps of the standing seam roof as per manufacturers specifications.

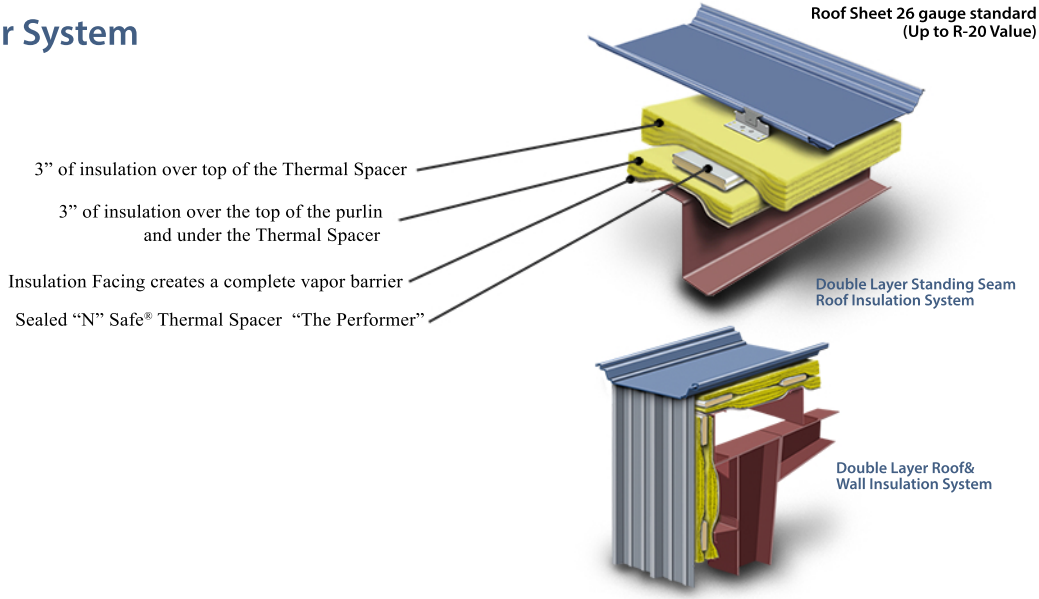
QR CODE
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Single Layer

Single Layer System



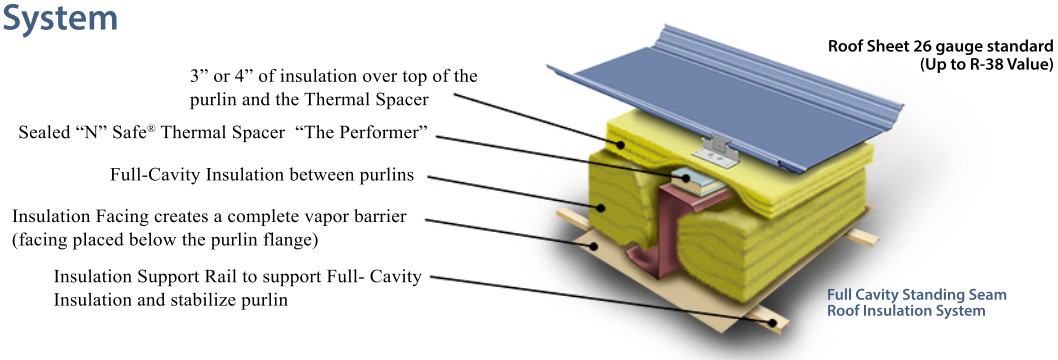
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Full Cavity

Full Cavity System



When attaching the Thermal Spacer to the girt, be sure to apply pressure to the Thermal Spacer so that the Thermal Spacer is snug-tight to the girt using the flat-head screws. Do not compress or dimple the Thermal Spacer.