

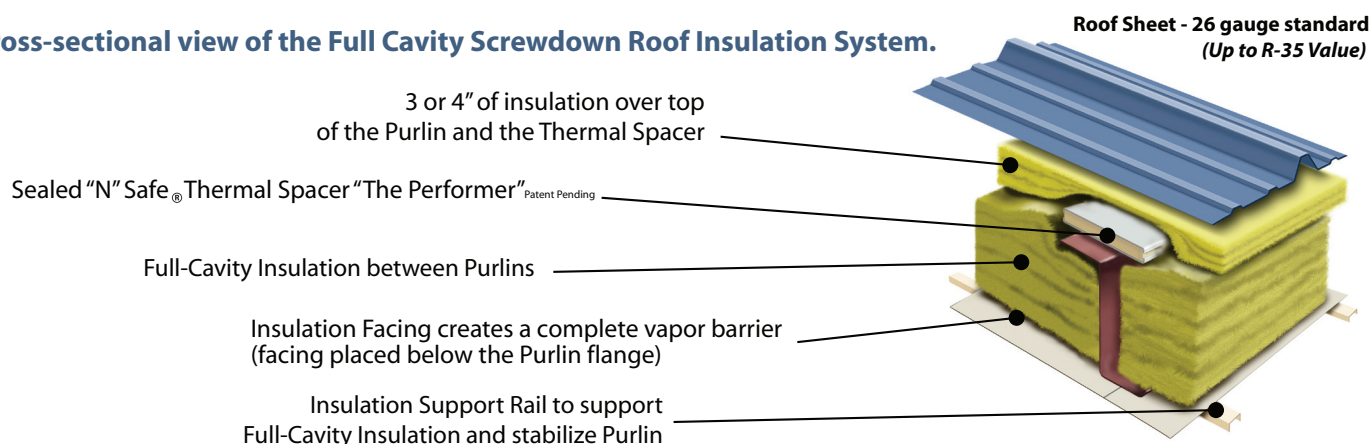


Insulation Rail

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 supports 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 & 12 foot lengths.

Step 1: Fasten the insulation rail to bottom of each purlin using a #12 X 3/4" SD Screws and spaced no more than at 2' - 6" apart as noted in the picture below. Correct purlin straightness, if needed to fit the insulation blanket width.

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



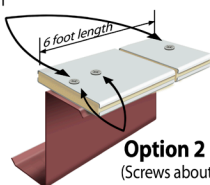
Thermal Spacer

The preferred installation method, one man in a man basket, installing the SNS Thermal Spacers ahead of the roofing crew (option 1) or can 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.

Option 1

(A Screw on each end)



Option 2
(Screws about 12" apart)

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

Suggestions:

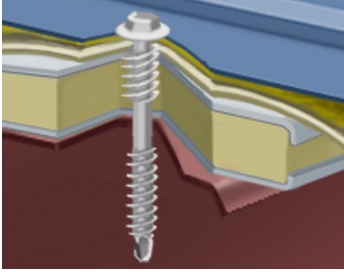
- When installing the thermal spacers, center it over the flange of the purlin
- Butt the thermal spacers end to end without added pressure
- Consider the placement of the flat-head screws through the thermal spacer, so that the SNS® panel fasteners do not conflict with the flathead screws
- When installing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

Step 2: Install SNS® Purlin Struts between purlins if needed. (See instructional guidelines for more information)

Step 3: Thermal spacers are placed over the tops of the purlins and are attached by two flat head screws. (*Option 1*) screw the flathead screw at each ends. (*Option 2*) screw the first flathead screw at the end and the second screw around 12 inches from the first.

Fasteners:

Our SNS® Panel Fastener has been specifically designed to be used with SNS® Thermal Spacer, “The Performer”. **Use of this fastener is mandatory as it is key to the performance of the Sealed “N” Safe® Continuous Insulation System.** If pre-drilling the sheeting, **use a 1/8” drill bit** to maintain the design and the performance of the fastener. Do not use any other fastener. Use of any other fastener will void all warranties.



Suggestions:

- If your roof sheet requires more SNS® Panel fasteners than are provided, additional fasteners are available at SNS
- A 6 amp 2500 rpm electric screw-gun will be needed with a depth locating nosepiece. (See fasteners installation instructions)

Step 4:

Once the installation blanket and the roof sheets are placed over the thermal spacer, SNS® Panel Fasteners are placed through the roof sheet, insulation, and thermal spacer into the purlin below. The design of the panel fastener creates a “stitch-type” joint, between the roof sheet and the thermal spacers, creating a water-tight seal, while fastening the whole assembly tightly to the purlins. If pre-drilling the roof sheet, **use a 1/8” drill bit.**

The fastening process works much like a typical screw-down roof. The only additional step is to set the thermal spacer in place with two flat head-screws and the use of the SNS® Panel Fastener to screw down the roof sheeting.

(see installation Video Clip at www.sealednsafe.com look under downloads) **Call 888-340-4(SNS)-4767**



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