BEHLEN
STEEL BUILDINGS

BEHLEN Industries LP
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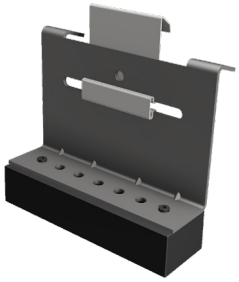
# BEHLEN SSR24 Thermal Stand™

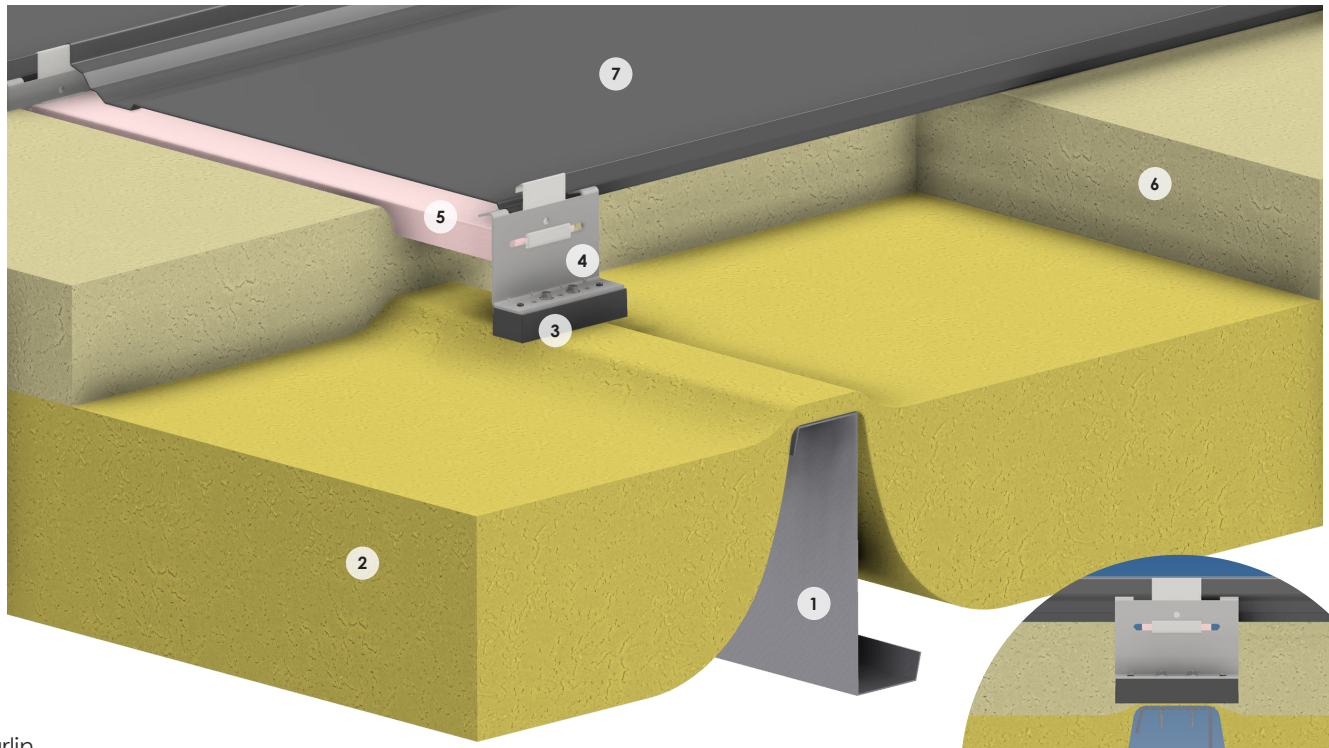
The SSR24 Thermal Stand™ offers builders a solution for adding an extra inch of insulation space versus taller metal clips. This innovative, patent-pending plastic block attaches securely to the bottom of a standing seam roof clip, increasing its height and with improved thermal performance compared to metal clips of the same height for metal building insulation systems.

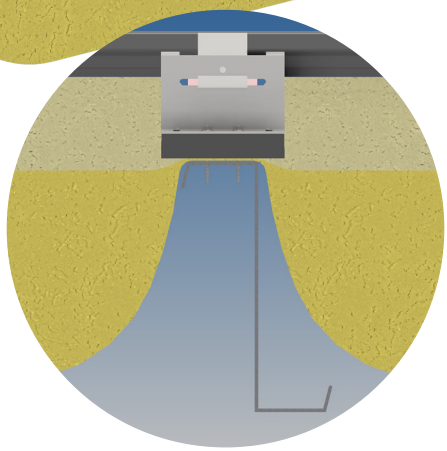
BEHLEN SSR24 Thermal Stand™

BEHLEN SSR24 Thermal Stand™
& 3 ¼ - inch Clip



Creates a 4 ¼ - inch
Clip Alternative



1) Purlin
2) Primary first layer draped vinyl backed Metal Building Insulation
3) BEHLEN SSR24 Thermal Stand™
4) Standing Seam Roof (SSR) Clip
5) 25mm (1") Thermal Block between SSR clips
6) Secondary layer of Metal Building Insulation
7) SSR24 Roof Panels

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# Key Benefits of the BEHLEN SSR24 Thermal Stand™

- Increases metal clip height by 25mm (1"), increasing standoff space above the purlin for additional insulation thickness compared to standard equivalent metal clip sizes.
- SSR24 Thermal Stand™ comes with locating pins and unique crush ribs that snaps into place with SSR24 metal roof clips. Allows for an easy-to-handle assembly during installation.
- Lighter weight than using taller metal clips and provides an economical option to reduce material and shipping costs.
- Made from fibre reinforced thermoset material with high load capacity, moisture and heat resistance, and cold weather installation.
- Provides additional thermal break* between metal clips and supports for maximum thermal efficiency compared to using only steel clips installed directly over compressed insulation.

**Stand; nominal R-5 based on material properties*

# Assembly Installation Outline

Follow project construction drawings for complete installation details and general notes.

For draped vinyl backed (faced) metal building insulation over and perpendicular to purlins, maintain proper level of drape or sag, per insulation manufactures documented installation methods. Proper sag of insulation at the mid-span between supports is important to allow the insulation to expand to the full thickness to achieve thermal performance for the intended insulating values within the roof assembly.

For proprietary, in-fill metal building insulating systems with insulation inserted between the purlin, follow insulation manufactures documented installation methods.

If Standing Seam Roof (SSR) clips and Thermal Stand arrive unassembled, snap Thermal Stand to SSR clips using the locating pins on the stand to align with pre-punched holes in the metal SSR clip.

Position the assembled clip and stand over the purlin and install using the fasteners shown on construction drawings. For draped systems, compress faced insulation under the stand. Ensure all installed clips are level and spaced properly.

Position top layer of un-faced insulation perpendicular to bottom layer direction. Top layer insulation thickness should be equivalent to the 64mm (2 ½") standoff height created by SSR clip and Thermal Stand. Top layer insulation to have minimal compression when SSR24 Roof panels are in place.

Place 25mm (1") thick thermal blocks between SSR clips, parallel to purlin. Thermal blocks have been shown to increase thermal performance at purlin locations, compensating for compressed insulation at these locations.

Complete install of SSR24 panels per instructions and construction drawings.

See BEHLEN Standard Detail set for complete list of SSR24 roof components.