

Swift-Spec Application Guide

MonoSeal System over Existing Substrates

(Commercial Standing Seam and other metal panel systems)

(NOTE - this is a guideline only and does not replace the full AIA Division 7 Specification Sheet)

This specification is only intended for the application of the PanelSeal System over commercial standing seam, ribbed panel, trapezoidal panel and other variations of metal roof panels. This specification is NOT for use on historic terne metal roofs.

Preparation:

Ensure the substrate is clean and dry, free of loose particles, cracks, pits, projections, or otherwise anything that may prevent adhesion.

Ensure any penetrations through the substrate are securely installed.

Ensure the substrate has a minimum slope of 0.25" per foot.

Ensure that the roof does not have any areas of ponding water.

Protect adjacent surfaces not designated to receive waterproofing.

Remove lightning protection.

Remove leaves, areas of dirt accumulation and any debris from the roof.

Clean and prepare surfaces by power wash and a stiff bristle push broom.

Ensure that any remaining loosely adhering residue of previous coatings is removed to facilitate good adhesion.

Make any repairs required to the existing substrate.

Application:

Apply a 'spot' brush coating of PanelSeal Metal Primer to all areas showing signs of rusting including around seam fasteners, along the ridge vent and at metal panel edges. Allow to dry.

Apply a foundation coat of MonoBase over fastener head. Lay an AguaCap into the wet MonoBase. Immediately apply a saturation coat of MonoBase into and over the AguaCap.

Following Metal Primer spot treatment for rust, apply a spray coating of Metal Primer to the entire field of the roof at a coverage rate of 200 ft.²/ gal. Allow to dry.

Vertical Seams: In many instances, vertical seams do not need to be addressed with fabric. Consult your Technical Sales Representative for verification.

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In those instances where vertical seams do require full treatment, apply a foundation coat of MonoBase, along the length of the seam, feathering 3 inches either side of the mid-point of the seam. Lay 6-inch Fabric into the wet MonoBase. Immediately apply a saturation coat of MonoBase into the fabric.

Horizontal Seams: apply a foundation coat of MonoBase, along the length of the seam, feathering 6 inches either side of the mid-point of the seam. Lay a minimum of 12-inch fabric into the wet MonoBase. Apply a saturation coat of MonoBase into the fabric.

Roof Penetrations: Apply MonoBase and a project specific size fabric up each and all penetrations through the waterproofing material a minimum of 6".

Ridge Closures: Closures should be backed with proper backing material to the outer edge of the ridge cap. Apply a foundation coat of MonoBase, along the length of the ridge, feathering 6-inch either side of the mid-point of the seam. Lay 12-inch fabric into the wet MonoBase. Apply a saturation coat of MonoBase into the fabric.

Valleys: apply a foundation coat of MonoBase, 6-inches into the valley and feathering 6-inches onto the roof pan.

End Caps: Using AguaSeal Waterproofing Systems approved backing materials (consult TSR), fill any voids in the end caps. Using MonoBase and 12-inch fabric seal the end cap into the adjacent pan applying the clean-cut edge of the fabric to the vertical edge of the end cap.

Parapet & Vertical Wall Junctions: Apply MonoBase and 12-inch fabric to all roof and vertical wall junctions. Apply the MonoBase treatment up and over vertical surfaces and onto the deck by a minimum of 6-inch in each direction.

Roof Drains: Remove drain rings and apply MonoBase and a project specific size fabric to seal the roof drains, extending into the bowl of the drain.

Skylights shall be treated in the same fashion as curb flashings. The entire perimeter shall be flashed with MonoBase and a minimum 6 inches wide fabric. All exposed skylight fasteners shall be encapsulated with MonoBase and AguaCaps as necessary. Do not bridge fasteners.

Never coat skylights with any coating that is not clear. Coating of a skylight with an opaque coating shall immediately void any AguaSeal Warranty.

MonoTop and/or MonoTop Gloss Application

Apply MonoTop to the entire roof field ensuring that all surfaces are coated evenly. Finish coatings may be brushed, rolled, or sprayed. If coating is spray applied, a cross hatch spraying method is highly recommended. Consult with your AguaSeal Technical Representative for equipment & tip size recommendations

10-year Warranty Requirements: Brush, spray or roller apply MonoTop at a coverage rate of 1.5 gallons per 100 square feet per coat – 2 coats minimum.

15-year Warranty Requirements: Brush, spray or roller apply MonoTop at a coverage rate of 2.25 gallons per 100 square feet per coat – 2 coats minimum.

20-year Warranty Requirements: Brush, spray or roller apply MonoTop at a coverage rate of 3 gallons per 100 square feet per coat – 2 coats minimum.

