



Coating over Metal Roof: 10-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Acrylic Clear Base, Roof & Tile Primer, or Black Primer	1 gallons/SQ (when using Roof & Tile Primer apply @ 0.3 g/SQ)	1 x ___ SQs = ___ Gallons
HS Silicone White	2 gallons/SQ	2 x ___ SQs = ___ Gallons
Silicone Gel		As needed
Polyester Fabric		As needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Silicone Gel over fasteners to encapsulate and seal.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. 3-course with Metacrylics High Solids Silicone and polyester fabric to reinforce, seal and repair needed areas.
3. Remove all loose debris and built up dirt, wire brush and remove any flaking rust and pressure wash roof to remove all peeling/flaking paint to ensure proper adhesion of coating system.
4. Apply Metacrylics® Acrylic Clear Base @ 1 gallon/SQ to the entire roof and other areas to be coated. Allow 4-12 hours to cure. If the metal has rust, use rust-inhibiting Metacrylics® Black Primer and apply at the same rate. You also can use Acrylic Roof & Tile Primer and apply at the rate of .3 gallons/SQ.



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5. Field Seam & End-Lap Reinforcement:

6. Horizontal Seams: Apply foot pressure to underlapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. Where needed, 3-course bad or buckled field seams and end-laps with alternating layers of Metacrylics High Solids Silicone and polyester fabric.
7. Vertical Seams: If vertical seams are open more than 1/16-inch, add fasteners to tighten the opening. 3-Course bad or buckled vertical field seams with alternating layers of Metacrylics High Solids Silicone & polyester fabric. Otherwise, fill all vertical seams with Metacrylics Silicone Gel as lap sealer mastic
8. Ridge Caps: Replace missing ridge cap gaskets as needed. Where needed, 3-course ridge cap closure cavity with alternating layers of Metacrylics High Solids Silicone and polyester fabric.
9. Apply Metacrylics[®] HS Silicone @ 2 gallons/SQ in one application over all areas to be coated. Vertical surfaces may require multiple coats to be applied at lower application rates in order to prevent product sagging. Allow 24 hours to cure between applications.

Metal Roof Square Footage Uplift Calculations to determine accurate square footage for required materials:

- For Standing Seam metal roof systems: Multiply square feet. by 1.3 to capture extra surface area for ribs
- For Corrugated metal roof systems: Multiply total square feet by 1.15 to capture extra surface area for uneven surfaces
- For R-Panel metal roof systems: Multiply total square feet by 1.12 to capture extra surface area for uneven surfaces



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Coating over Metal Roof: 15-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Acrylic Clear Base, Roof & Tile Primer, or Black Primer	1 gallons/SQ (when using Roof & Tile Primer apply @ 0.3 g/SQ)	1 x ___ SQs = ___ Gallons
HS Silicone White	2.5 gallons/SQ	2.5 x ___ SQs = ___ Gallons
Silicone Gel		As needed
Polyester Fabric		As needed

NOTE: 1 SQ = 100 sq. ft.

Always consult your Metacrylics® rep or contact Metacrylics® for full system specifications.

General Application Guidelines

1. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Silicone Gel over fasteners to encapsulate and seal.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. 3-course with Metacrylics High Solids Silicone and Polyester fabric to reinforce, seal and repair needed areas.
3. Remove all loose debris and built up dirt, wire brush and remove any flaking rust and pressure wash roof to remove all peeling/flaking paint to ensure proper adhesion of coating system.
4. Apply Metacrylics® Acrylic Clear Base @ 1 gallon/SQ to the entire roof and other areas to be coated. Allow 4-12 hours to cure. If the metal has rust, use rust-inhibiting Metacrylics® Black Primer and apply at the same rate. You also can use Acrylic Roof & Tile Primer and apply at the rate of .3 gallons/SQ.



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5. Field Seam & End-Lap Reinforcement:

6. Horizontal Seams: Apply foot pressure to underlapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. Where needed, 3-course bad or buckled field seams and end-laps with alternating layers of Metacrylics High Solids Silicone and polyester fabric.
7. Vertical Seams: If vertical seams are open more than 1/16-inch, add fasteners to tighten the opening. 3-Course bad or buckled vertical field seams with alternating layers of Metacrylics High Solids Silicone & polyester fabric. Otherwise, fill all vertical seams with Metacrylics Silicone Gel as lap sealer mastic.
8. Ridge Caps: Replace missing ridge cap gaskets as needed. Where needed, 3-course ridge cap closure cavity with alternating layers of Metacrylics High Solids Silicone and polyester fabric
9. Apply Metacrylics[®] HS Silicone @ 2.5 gallons/SQ in two applications at the rate of 1.25 gallons/SQ over all areas to be coated. Vertical surfaces may require multiple coats to be applied at lower application rates in order to prevent product sagging. Allow 24 hours to cure between applications.

[Metal Roof Square Footage Uplift Calculations to determine accurate square footage for required materials:](#)

- For Standing Seam metal roof systems: Multiply square feet. by 1.3 to capture extra surface area for ribs
- For Corrugated metal roof systems: Multiply total square feet by 1.15 to capture extra surface area for uneven surfaces
- For R-Panel metal roof systems: Multiply total square feet by 1.12 to capture extra surface area for uneven surfaces



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Coating over Metal Roof: 20-Year System

Corrugated, Standing Seam, & R-Panel

Materials Needed:

Product	Application Rate	Application Calculator
Acrylic Clear Base, Roof & Tile Primer, or Black Primer	1 gallons/SQ (when using Roof & Tile Primer apply @ 0.3 g/SQ)	1 x ___ SQs = ___ Gallons
HS Silicone White	3 gallons/SQ	3 x ___ SQs = ___ Gallons
Silicone Gel		As needed
Polyester Fabric		As needed

NOTE: 1 SQ = 100 sq. ft.

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General Application Guidelines

1. Tighten or replace all exposed fasteners where needed. Add additional fasteners to tighten loose panels to restore original design intent. Apply Metacrylics Silicone Gel over fasteners to encapsulate and seal.
2. Inspect roof for open joints, laps, holes etc. and repair flaws so water does not enter the building. 3-course Metacrylics High Solids Silicone and Polyester fabric to reinforce, seal and repair needed areas.
3. Remove all loose debris and built up dirt, wire brush and remove any flaking rust and pressure wash roof to remove all peeling/flaking paint to ensure proper adhesion of coating system.
4. Apply Metacrylics® Acrylic Clear Base @ 1 gallon/SQ to the entire roof and other areas to be coated. Allow 4-12 hours to cure. If the metal has rust, use rust-inhibiting Metacrylics® Black Primer and apply at the same rate. You also can use Acrylic Roof & Tile Primer and apply at the rate of .3 gallons/SQ.



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5. Field Seam & End-Lap Reinforcement:

6. Horizontal Seams: Apply foot pressure to underlapping panel next to joint. If joint opens more than 1/16-inch, add fasteners to tighten the opening. Where needed, 3-course bad or buckled field seams and end-laps with alternating layers of Metacrylics High Solids Silicone and polyester fabric.
7. Vertical Seams: If vertical seams are open more than 1/16-inch, add fasteners to tighten the opening. 3-Course bad or buckled vertical field seams with alternating layers of Metacrylics High Solids Silicone & polyester fabric. Otherwise, fill all vertical seams with Metacrylics Silicone Gel as lap sealer mastic.
8. Ridge Caps: Replace missing ridge cap gaskets as needed. Where needed, 3-course ridge cap closure cavity with alternating layers of Metacrylics High Solids Silicone and polyester fabric
9. Apply Metacrylics[®] HS Silicone @ 3 gallons/SQ over in two applications at the rate of 1.5 gallons/SQ over all areas to be coated. Vertical surfaces may require multiple coats to be applied at lower application rates in order to prevent product sagging. Allow 24 hours to cure between applications.

[Metal Roof Square Footage Uplift Calculations to determine accurate square footage for required materials:](#)

- For Standing Seam metal roof systems: Multiply square feet. by 1.3 to capture extra surface area for ribs
- For Corrugated metal roof systems: Multiply total square feet by 1.15 to capture extra surface area for uneven surfaces
- For R-Panel metal roof systems: Multiply total square feet by 1.12 to capture extra surface area for uneven surfaces



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