ROOF MATE

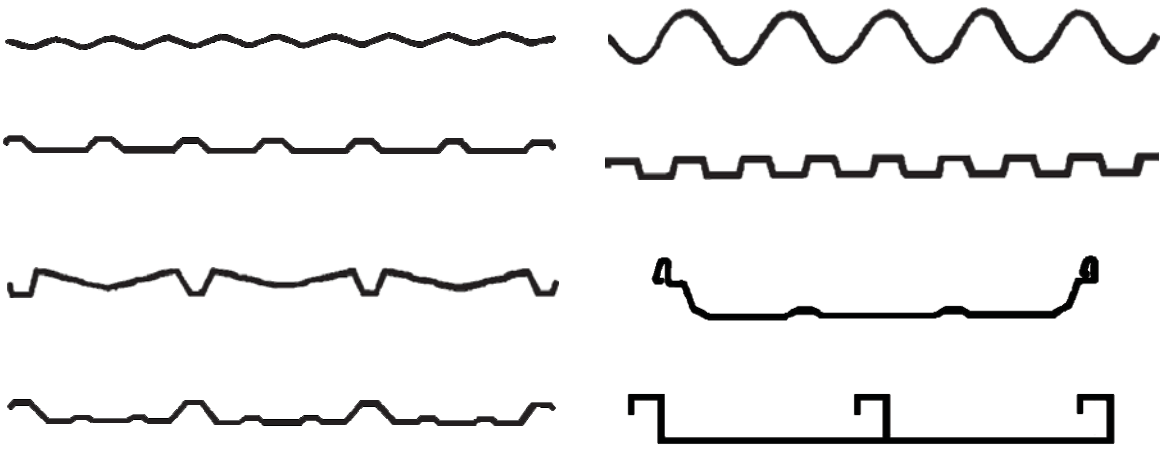
THE ROOF PRESERVATION SYSTEM

Estimating Guide For Metal Roofs

A. ACTUAL SQUARE FOOTAGE OF METAL SURFACE AREA:

Match the jobsite roof panel to the sample cross sections below to determine the multiplication factor needed to determine the actual surface area. To calculate the proper amount of coating to achieve the required film thickness, the panel configuration must always be taken into consideration.

1.2	MULTIPLICATION FACTOR	1.3



B. PRIMER REQUIREMENTS:

1. Medium to Heavy Sound Rust — Divide the actual surface area by 300. This is the number of gallons of **Alumiseal** required.*
2. Light Sound Rust (Flash Rust) — Divide the actual surface area by 200. This is the amount of **Acrylex 400** required.
3. Spot Priming (Light Rust) — Estimate the total area affected by rust and divide by 200. This is the amount of **Acrylex 400** required.

*If a water-based primer is required over medium to heavy sound rust, estimate two coats of **Acrylex 400** at the rate of 300 sq. ft. gallon (7.3 m²/l) per coat.

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C. FASTENERS:

All fasteners must be encapsulated with **Seamseal** or **ROOF MATE Butter Grade**, or sealed utilizing **Uni-Caps**.

1. Estimate 1,300 square feet (121 m²) per 2 gallon (7.6 liter) pail, or 3,250 square feet (302 m²) per 5 gallon (19 liter) pail, of **Seamseal** or **ROOF MATE Butter Grade.**
2. Estimate 1 roll of **Uni-Caps** per 1,475 fasteners.

D. HORIZONTAL (END-LAP) SEAMS:

All horizontal, or end-lap, seams must be reinforced with either **Seamseal**, **ROOF MATE Butter Grade, Uni-Tape Butyl-Backed Polyester Fabric** (4" or 6"/10 or 15 cm), or **ROOF MATE Fabric** (4" or 6"/10 or 15 cm) embedded into a strip-coat of **ROOF MATE**. Determine lineal feet of horizontal seams by multiplying the building length by the multiplication factor of the panel, then multiplying the total by the number of horizontal seams.

1. Estimate 200 lineal feet (61 m) per 2 gallon (7.6 liter) pail, or 500 lineal feet (152 m) per 5 gallon (19 liter) pail, of **Seamseal** or **ROOF MATE Butter Grade**, applied approximately 60 mils (1,524 microns) thick and 3" (7.5 cm) wide. If using **ROOF MATE Butter Grade**, apply in 2 separate coats.
2. Estimate 1 roll of **Uni-Tape** per 50 lineal feet (15 m) of seam.
3. Estimate 1 roll of **ROOF MATE Fabric** and 3 gallons (11 liters) of **ROOF MATE** per 300 lineal feet (91 m) of seam.

E. VERTICAL (SIDE-LAP) SEAMS:

Vertical, or side-lap, seams that have been factory crimped and caulked do not require reinforcement unless they have been damaged. Vertical seams that are simply overlapped must be reinforced with **Seamseal** or **ROOF MATE Butter Grade**. Determine lineal feet of vertical seams by dividing the building length by the panel width, then multiplying by the vertical length from ridge cap to roof edge for each side of the roof to be coated. Estimate 75 lineal feet (6 m/l) per gallon of **Seamseal** or **ROOF MATE Butter Grade** to achieve a thickness of approximately 60 mils (1,524 microns). If using **ROOF MATE Butter Grade**, apply in 2 separate coats. Vertical seams can also be sealed using 2" (5 cm) **Uni-Tape** or 2" (5 cm) **ROOF MATE Mesh** embedded into a strip-coat of **ROOF MATE**.

F. PENETRATIONS:

Determine the lineal feet around all protrusions by measuring the circumference of all vents, pipes, roof-top equipment, etc.

1. Estimate 100 lineal feet (35 m) per 2 gallon (7.6 liter) pail, or 250 lineal feet (87 m) per 5 gallon (19 liter) pail, of **Seamseal** or **ROOF MATE Butter Grade**, applied at 60 mils (1,524 microns) thick and 6" (15 cm) wide.
2. Estimate 1 roll of 6" or 12" (15 or 30 cm) **ROOF MATE Fabric** and 6 gallons (23 liters) of **ROOF MATE** per 300 lineal feet (91 m) of protrusions.

G. OTHER DETAILS:

Take into consideration other details on each specific roof, which may require additional reinforcement or other attention.

1. Gaps at the ridge cap or at the overlap of dissimilar metal panels should be filled utilizing a portable urethane spray foam or open-cell polyurethane backer rod. Estimate the approximate cubic feet of space that requires treatment and order the appropriate portable foam kit or open-cell polyurethane backer rod. Order backer rod slightly larger than the gap to be filled so that it compresses firmly into place.

2. Where the metal roof panels abut a dissimilar surface, the interface must be sealed with **Seamseal** or **ROOF MATE Caulk** at the rate of approximately 100 lineal feet (35 m) per 2 gallon (7.6 liter) pail, or 250 lineal feet (76 m) per 5 gallon (19 liter) pail. The interface shall then be reinforced by embedding 12" (30 cm) **ROOF MATE Fabric** into a strip-coat of **ROOF MATE**. Estimate 1 roll of fabric and 6 gallons (23 liters) of **ROOF MATE** per 300 lineal feet (91 m) of joint.

H. APPLICATION

A. 5-Year Standard Warranty

1. Figure 1 coat of **ROOF MATE** Gray Basecoat at a minimum rate of 1 gallon per 100 sq. ft. (.4 1/m²) of actual surface area.
2. Figure 1 coat of **ROOF MATE** Light Gray, White or custom color at a minimum rate of 1 gallon per 100 sq. ft (.4 1/m²) of actual surface area.

B. 10-Year Standard or 5-Year System Warranty

1. Figure 1 coat of **ROOF MATE** Gray Basecoat at the minimum rate of 1 gallon per 100 sq. ft. (.4 1/m²) of actual surface area.
2. Figure 1 coat of **ROOF MATE** Light Gray, White or custom color at a minimum rate of 1.5 gallons per 100 sq. ft. (.6 1/m²) of actual surface area.

C. 15-Year Standard or 10-Year System Warranty

1. Figure 1 coat of **ROOF MATE** Gray Basecoat at the minimum rate of 1.5 gallons per 100 sq. ft. (.61/m²) of actual surface area.
2. Figure 1 coat of **ROOF MATE** Light Gray, White or custom color at a minimum rate of 1.5 gallons per 100 sq. ft. (.6 1/m²) of actual surface area.

D. 15-Year System Warranty

1. Figure 1 coat of **ROOF MATE** Gray Basecoat at the minimum rate of 1.25 gallons per 100 sq. ft. (.5 1/m²) of actual surface area.
2. Figure 1 coat of **ROOF MATE** Light Gray midcoat at the minimum rate of 1.25 gallons per 100 sq. ft. (.5 1/m²) of actual surface area.
3. Figure 1 coat of **ROOF MATE** White or custom color at the minimum rate of 1.5 gallons per 100 sq. fl. (.6 1/m²) of actual surface area.

Note: Estimate a $. 03 per square foot charge for a 5-Year System Warranty, $. 05 per square foot charge for a 10-Year System Warranty, and $. 07 per square foot for a 15-Year System Warranty.

I. OTHER COST ESTIMATE CONSIDERATIONS:

1. Supplies
   a. Replacement Panels (Metal / Skylight)
   b. Fasteners
   c. Flashing / Counter–Flashing

2. Labor
   a. Repair Work
   b. Power Washing / Cleaning
   c. Seam Treatment / Detail Work
   d. Primer Application
   e. Coating Application

3. Miscellaneous Costs
   a. Equipment Rental
   b. Clean Up / Disposal Costs
   c. Travel / Lodging / Subsistence Expenses
   d. Warranty Fees (If Applicable)

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