



# THERMAL GUARD METAL

## APPLICATION GUIDE

### SURFACE PREP & APPLICATION GUIDE

#### REQUIRED TOOLS

- PAINTER'S TAPE
- PAINTBRUSH (2-4" WIDE FOR EDGES)
- PAINT ROLLER EXTENSION
- POWER DRILL
- EPOXY MIXER
- PAINT ROLLER COVER

We recommend using a brush with a short nap so that Thermal Guard Metal applies evenly without being overly absorbed, pulled or dragged by the roller during application.

#### AIRLESS SPRAYER (OPTIONAL)

If you are choosing to apply TG-R using an airless sprayer, please note our specifications of the sprayer you should be using below.

**Material Flow:** 2.9 gal / min (11 liters / min)  
**Max Pressure:** 270-300 bar  
**Air Intake Pressure:** 5-6 bar  
**Pump Filter:** 30 Mesh  
**Hose:** 3/8"  
**Nozzle:** 0.027" - 0.031"

#### SURFACE PREP

1. Wear protective gloves & gear before applying.
2. The metal surface must be cleaned from dirt, debris, and any residue. Scrub away mold or mildew, or power wash if necessary.
3. Allow surface to dry completely.
4. Repairing or reinforcing joints, seams and penetration points may be required prior to the application of Thermal Guard Metal. Allow any repair product to fully cure or dry prior to application of Thermal Guard Metal.

#### MEASURE COVERAGE AREA

Depending on your desired dry-film thickness, measure & use tape to mark the corners of the area on the metal surface for each application section. Doing so is the easiest way to ensure that you are not over-spreading the material, and that the application of Thermal Guard Metal is applied at the proper spread rate. We recommend a minimum 20mil dry-film thickness for Thermal Guard Metal.

#### APPLICATION INSTRUCTIONS

1. Open Part A Base. Using a power drill and paddle paint mixer, mix Part A well for a minimum of 1 minute. It is composed of solids, so ensure Base is mixed until fully homogenous.
2. Pour all of Part B into the Part A container. Completely mix Part A (Base) & Part B (Hardener) together using mixer for a minimum of 1 minute. Mix at a low RPM in the Part A container.
3. Using a paint brush, paint any edges of your pre-measured section. You should work from the exterior to interior of your coverage area.
4. If using airless sprayer, spray out your pre-measured section, ensuring you are using the entirety of Thermal Guard Metal for the section.
5. To apply using roller, pour material and spread over your pre-measured section and spread with spiked roller.
6. Work in sections until entire roof is coated in the same manner, ensuring your spread rate is consistent across the project. Each mixture has a maximum 45-minute working time (at 77°F / 25°C).
7. Allow Thermal Guard Metal to dry for 8 hours between coats if applying additional coats.
8. Thermal Guard Metal fully dries in 14 hours, and fully cures in 48 hours.
9. If working in hotter temperatures, store material in shade or in a cool area to maximize pot life.

#### APPLICATION CONDITIONS

Do not apply the product in high humidity conditions (>75%) or if rain is expected within 24 hours after application.

