



# COATABLE

# STOP HEAT

## SOLAR BARRIER

## Application Information (02.02.22)

### SURFACE PREPARATION

Surfaces should be clean, dry and sound. Existing surface dirt, salts, oil, tar, grease and film must be removed prior to application of STOP HEAT. STOP HEAT may be applied to other surfaces: metal, masonry, and wood following preparation procedures recommended according to manufacturer's specification sheet. Use RUST BASE as a primer when needed on metal and concrete surfaces. Refer to RUST BASE technical data sheet for overcoat window. Modified bitumen, asphalt roofing, PVC, TPO and single-ply membranes must be primed with AUTO PREP.

1. Use general degreaser if needed.
2. Clean surface using TSP (trisodium-phosphate) or a citrus cleaner to release dirt and degreaser residue.
3. Pressure-wash, if possible, @ 3500 psi.
4. Salt contamination on a surface can come as a result of salt water, fertilizers, and car exhaust. Use Chlor\*Rid or equivalent to decontaminate surface if salts are present. Acceptable levels: Nitrates: 5-10 mcg/cm<sup>2</sup>, Sulfates: 5-10 mcg/cm<sup>2</sup>, Chlorides: 3-5 mcg/cm<sup>2</sup>.

#### Surface must be completely dry before applying.

1. STOP HEAT must be applied during proper temperatures (below) and the prescribed overcoat window of the coating over which it will be applied.
2. Maximum Surface Temperature when applying: 150°F (65°C).
3. Minimum Surface Temperature when applying: 40°F (5°C).
4. Maximum Surface Temperature after curing: 300°F (149°C).

### Notes

1. Use RUST BASE as a primer to seal rusted surfaces.
2. If pack rust or mill scale exist, it must be removed by grit blast, power tool or needle gun. Once removed, use RUST BASE as a primer.
3. For surfaces such as tar, plastic, EPDM, TPO, prime with AUTO PREP.
4. Where continuous pooling may occur: STOP HEAT should be over-coated with KEEP SHINE or an approved topcoat.

### MIXING INSTRUCTIONS

STOP HEAT should be mechanically mixed or mixed by hand for three minutes, then applied.

### APPLICATION

STOP HEAT can be applied by brush, roller or spray; however, the preferred method is by air or airless sprayer. It should never be applied directly over rust, nor should it ever be diluted or thinned. If rolling, use ¼ inch nap roller and split the application into two even coats.

1. If application is by brush, use a soft bristle brush.
2. If application is by roller, use a 1/4 inch nap roller, 2 coats.
3. If application is by spray, use a standard airless sprayer (2 gallons/minute at 3,300 psi.) with a .029-.033 tip.

**NOTE:** The number of applications and the thickness of each should be in accordance with the job specifications. If rolling, use two even coats for better control and aesthetics.

**NOTE:** All filters should be removed from both the gun handle and spray machine prior to application, as they will trap the ceramics.

**NOTE:** Temperatures must always be a minimum of 5 degrees F. above the dew point during application.

**NOTE:** If STOP HEAT is applied during a period of extremely high humidity or if there is rain soon after the application, bubbles may appear on the surface. Do not puncture these bubbles. This is normal and the coating will continue to cure with no effect on the performance or appearance of the coating. Bubbles will dry down tight and disappear without a trace or imprint.

### MINIMUM SPREAD RATES

STOP HEAT will be applied at no less than a total of 17 mils wet (431 microns)/9.3 mils dry (250 microns) for each application. Spread Rate is 95 sq ft per gallon. (8.82 sq meter per gallon).

### CURE TIME

1. 30-60 minutes to tack free at 70°F (21°C).
2. Overcoat: 2 hours when 70°F (21°C) at 40% Relative Humidity.
3. Full Cure: 21 days.

### TEMPERATURE

1. Apply between 50°F. and 100°F.
2. Store between 40°F. and 100°F.

### CLEAN-UP EQUIPMENT

1. After completion, spray system should be cleaned with soap and water.
2. After completion, brushes and rollers can be cleaned with soap and water, stored and reused.

### SAFETY PRECAUTIONS

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: proper ventilation, use of proper lamps, wearing of protective clothing and masks, tenting, and proper separation of application areas. For more safety procedures, please refer to the STOP HEAT Materials Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**