



# TECHNICAL DATA

## Thermo Rust Converter

### Converting Agent for Moderate Rust

#### DESCRIPTION

Thermo Rust Converter is a water-based rust converter used to change the molecular structure of the rusted areas to a black oxide finish.

*Each roof application has unique requirements and as such may require a specific system configuration and application. This product is manufactured to our product specification and our only obligation shall be to replace such product if proven to be defective. Thermo Manufacturing Systems, LLC does not assume responsibility for any defects in application of this product, or any deficiencies in any roof or substrates on which this product is applied, nor shall Thermo Manufacturing Systems, LLC be responsible or liable for injury, loss, or damage of any kind or character, direct or consequential, arising from the application, use or inability to use this product.*

#### TYPICAL PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>
**Weight per Gallon	11.0 lbs ± 0.5 lbs
*Solids Content (by Weight)	50% ± 5%
*Specific Gravity	1.3 – 1.4
*Viscosity	125 cps
*pH	2.5
*VOC, max.	0.3 lbs / gal

#### USES

Thermo Rust Converter is a water-based rust converter to be applied over all moderately rusted areas evident on the metal substrates.

#### COVERAGE

When applied at a rate of 1-gal/200 sq ft, the theoretical wet film thickness should be 6 mils and the theoretical dry film thickness should be 3 mils.

#### COLOR

Opaque

#### STORAGE STABILITY

One year when stored in unopened containers at 40°F - 80°F. DO NOT FREEZE.

#### PRIMER

On properly prepared surfaces, no priming is needed for application to most metal.

#### CURE TIMES

When applied at 6 wet mils coating thickness and at conditions of 75°F and 50% relative humidity, Thermo Rust Converter should reach final cure in 24 hours. Colder weather and/or higher humidity will retard curing whereas warmer weather and/or lower humidity will accelerate curing.

#### LIMITATIONS

Thermo Rust Converter will freeze and should not be shipped or stored at temperatures below 32°F. Thermo Rust Converter is not recommended for installations where ponding water is likely to occur for longer than 48 hours. Thermo Rust Converter should not be applied when weather conditions will not permit drying, i.e. high relative humidity (>90%), just before rain, dew, freezing temperatures or sunset.

## **PACKAGING**

Available in 1 gallon cans and 5 gallon pails

## **SURFACE PREPARATION**

Light sand blasting, needle gun or abrasive wheel is recommended to remove all moderate scale. Light to moderate rust should be removed by wire brushing. Remove all rust powder and other contamination such as paint, grease or oil. Thermo Rust Converter is supplied ready to use. Thinning is not required or recommended. If required, stir the materials slowly to ensure uniformity. **DO NOT MIX AT HIGH SPEED.**

## **APPLICATION INSTRUCTIONS**

Brush

Roller – long nap

**DO NOT USE** conventional or airless spray equipment

## **WARRANTY**

When applied by an approved applicator and with an approved maintenance program, extended warranties are available by notifying Thermo Manufacturing Systems, LLC **PRIOR** to job start.

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P.O. Box 218

Lindale, TX 75771

(800) 882-7007

(903) 881-8771

FAX (903) 881-8787

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