



# TECHNICAL DATA

## Thermocone THS Silicone

### Surface / Base High Solids Fluid-Applied Reflective Membrane

#### DESCRIPTION

Thermocone THS Silicone is a premium single-component high-solids flow-able solvent-free moisture-curing 100% silicone fluid-applied reflective membrane. Thermocone THS Silicone is to be applied in one or more coats depending upon specification requirements.

*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.*

#### USES

Thermocone THS Silicone is recommended as a waterproofing and reflective membrane for numerous Thermocone Roofing Systems including metal, SPF, modified bitumen, BUR and various single ply membranes. Thermocone THS Silicone can bond to aged silicone coated surfaces. Product should be applied when substrate temperature is more than 40°F and less than 100°F.

#### COLOR

Standard colors are white and gray.

#### STORAGE STABILITY

Six months when stored in unopened containers at 40°F - 80°F. DO NOT FREEZE.

#### CLEAN UP

Mineral Spirits

#### PRIMER

On properly prepared surfaces, no priming is needed for application to SPF, plywood, most metal or Hypalon. Priming is required for TPO, EPDM, PVC, BUR or modified bitumen.

#### CURE TIME

When applied at 24 wet mils coating thickness and at conditions of 75°F and 50% relative humidity, Thermocone THS Silicone will dry to the touch in 1 hour. Additional coats should be applied within 24 hours to insure full and uniform adhesion. Full cure is usually reached within 24 - 48 hours depending on temperature and humidity, but foot traffic should be restricted for a minimum of 72 hours. Colder weather and/or lower humidity will tend to retard curing whereas warmer weather and/or higher humidity will tend to accelerate curing.

#### LIMITATIONS

Thermocone THS Silicone should not be shipped or stored at temperatures below 32°F. Thermocone THS Silicone is not recommended for installations where ponding water is likely to occur for longer than 96 hours. Thermocone THS Silicone should not be applied when weather conditions will not permit drying, i.e. low relative humidity (<10%), just before rain, dew, freezing temperatures or sunset. Keep product away from heat, sparks and open flame.

#### PACKAGING

Available in 5 gallon pails or 50 gallon drums

#### SURFACE PREPARATION

Thermocone THS Silicone 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. All surfaces to be coated must be clean, dry and free of any oil, grease, dirt or rust. Rust must be removed and area treated with appropriate Thermo Materials® products.

## APPLICATION INSTRUCTIONS

Apply by brush, roller with long nap, or conventional or airless spray equipment

## WARRANTY

When installed by an approved applicator and with an approved maintenance program, various extended warranties are available for specific Thermo Materials® Roof Restoration Systems by notifying Thermo Manufacturing Systems, LLC **PRIOR** to job start. Call for details regarding warranty application documentation requirements.

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE
Weight per Gallon	10.5 lbs ± 0.5 lbs
Solids Content by Weight	100%
Solids Content by Volume	97% ± 2%
Viscosity (KU)	> 140
Viscosity (cPs)	8,800
Initial Elongation	154%
Initial Tensile Strength	365 psi
Low Temperature Flex after 1000 hrs Xenon Arc Aging	Pass
Fungi Resistance	Zero Rating

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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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