



## TEMP-COAT® 101S

Southern Chem Industries, Inc.  
Environmental Specialties Division  
153 West Fifth Street  
LaPlace, Louisiana 70069 (USA)  
Tel (985) 652-5198 Fax (985) 652-4719  
www.southernchem.com

### DESCRIPTION

TEMP-COAT® is a liquid ceramic insulation that is used on piping, air and heat duct work, exposed water pipes, oxygen lines, water tanks, steam lines and many other places.

TEMP-COAT® is a cost-effective alternative to high cost industrial insulations. Because it physically adheres to the surface that it is insulating, it significantly reduces corrosion frequently found under conventional insulations.

TEMP-COAT® is a mixture of various components and ceramic beads immersed in a high quality latex base with acrylic binders. This combination of materials makes the product extremely light weight and pliable, therefore, it expands and contracts with the surface to which it is applied.

TEMP-COAT® works well on both convective and conductive heat and cold. It is impervious to water and not adversely affected by salt water. As this product is a liquid, it forms a continuous covering and not sectioned as installed conventional products. It also can form an excellent weatherproof coating over other forms of insulation.

TEMP-COAT® operating temperatures are from -80°F to 350°F (-62°C to 177°C). It can be applied to surfaces with temperatures ranging from 45°F to 350°F (7°C - 177°C). On hot surfaces, initial coats must be thin (<10 mils) to avoid blistering.

### APPLICATION

Apply TEMP-COAT® on any clean, dry substrate that is free from oil, grease, wax or dirt. Primer is recommended as an initial step on rust-prone surfaces.

Apply by use of brush, roller, air-less sprayer or air assisted Quik-Gun.™ Strain the product before spraying. Allow product to dry between coats. This is a one-coat system with a curing time of 24 hours under normal conditions. Refer to the installation manual for further information.

#### Approximate Coverage:

Flat Surface: 15 mil thickness  
60 square feet per gallon (1.473 sq.mtr/l)

Pipe: 20 mil thickness  
4"(10cm) 56 (4.5m/l) linear feet per gallon  
8"(20cm) 24 linear feet per gallon  
12"(30cm) 15 linear feet per gallon

TEMP-COAT® is a latex based product. Clean up immediately after use with soap and water. Use drop cloths and necessary protection to prevent damage from drips or over-spray.

TEMP-COAT® can be applied to any of the following clean, dry surfaces:

Steel, Chrome, Galvanized, Aluminum, Iron, Fiberglass, Brass, Asbestos, Fiberboard, Painted Surfaces, Cloth, Copper, Stone, Slate, Stainless, Tar, Vinyl, Glass Polyurethane, Foam, Plexiglas, Cardboard, Paper, Pipe, Magnesium, Plastics, Masonite, Wood, Primed Surfaces, Granulated Roof Shingles ... and many more.

## SPECIFICATIONS

### THERMAL PROPERTIES

Thermo-physical Properties Research Lab (USA)

Purdue University:

30 mils equivalent to R19/20

ASTM E-1461-92 & E-1269

Roof coating, thermal and reflective comparative testing by certified labs show TEMP-COAT® Equivalent to 4" of Styro-foam rated at R-20

Solar Reflectance Rating tested to 74%

Emittance Rating tested to 85%

### FLAMMABILITY

Lloyd's Register classified as "Fire-Resisting Material" having low flame spread

Flame Spread 5 ASTM E-84

Smoke Developed 5

Toxicity 0

### MECHANICAL PROPERTIES

Cross hatch adhesion 100% ASTM D-3359

Tensile strength (lb/in2) 66.7 D-882

Elongation 65%

### PHYSICAL PROPERTIES

Accelerated Aging 200 hr. Passed ASTM G-53

Density (g/ch3) @ 24C Dried Film 0.41 D-792

Weight per gallon. 5.9 pounds

Volume Non-Volatiles 43%

Volume Dried Film 83% (+/- 2%)

pH 8.7

Specific Gravity 0.69

Heavy Metals None detected

Chlorides - Mercury None detected

Brookfield Viscosity #3 Spindle @ 30 rpm Centipoises 3564

### WARRANTY

Limited Warranty: TEMP-COAT® Brand Products, LLC warrants TEMP-COAT® as an insulation under normal use and installation conditions.

FOR HANDLING AND PRECAUTIONARY INFORMATION PLEASE REFERENCE THE PRODUCT LABEL, INSTALLATION MANUAL AND THE MATERIAL SAFETY DATA SHEET.

All statements presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty or merchantability or fitness for a particular purpose, or representation, express or implied, for which seller assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Statements or suggestions concerning possible use of this product are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe on any patent. Printed in USA.