



## TEMP-COAT® Insul-AII™

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### DESCRIPTION

TEMP-COAT® Insul-AII™ is a liquid ceramic insulation that performs extremely well on roofing, siding, walls, ceilings, piping, air and heat ductwork, exposed water pipes, water tanks, and many other places.

TEMP-COAT® Insul-AII™ is a cost-effective alternative to typical commercial insulations. Because it physically adheres to the surface that it is insulating, it also significantly reduces corrosion and rust formations frequently found under conventional insulations.

TEMP-COAT® Insul-AII™ is a mixture of various components and ceramic micro spheres immersed in a high quality latex base with acrylic binders. Polymers are added to the formulation to facilitate application using a roller or brush.

TEMP-COAT® Insul-AII™ 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 is not sectioned, as are conventional products. It also can form an excellent weatherproof coating over other forms of insulation. Insul-AII will not resist water ponding conditions.

TEMP-COAT® Insul-AII™ operating temperatures are from -80°F to 225°F (-62°C to 107°C). It can be applied to surfaces with temperatures ranging from 45°F to 225°F (7°C - 107°C). On hot surfaces, initial coats must be thin to avoid blistering.

### APPLICATION

Apply TEMP-COAT® Insul-AII™ on any clean, dry substrate that is free from oil, grease, wax or dirt. A sufficient amount of primer on all surfaces prone to rust or to prevent bleed through is recommended.

Apply by use of brush, roller, airless spray or air assisted Quik Gun. Strain the product before spraying. Allow product to dry before applying additional coats if required. This product has a curing time of 24 hours or less under normal conditions. Refer to installation manual or specifications for further information.

#### Approximate Coverage:

**Spray:** 60 square feet per gallon (1.473 sq.mtr/l) at 15mil thickness on a flat surface

**On Pipe:** 20mil thickness

4"(10cm) O.D. Linear Feet per gallon = 56 (4.5m/l)

8" O.D. Linear Feet per gallon = 24

12" O.D. Linear Feet per gallon = 15

TEMP-COAT® Insul-AII™ 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® Insul-AII™ 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, Plastics, Masonite, Wood, Primed Surfaces, Granulated Roof Shingles and many more.

# SPECIFICATIONS

## THERMAL PROPERTIES

Thermo-physical Properties Research Lab  
Purdue University:  
15 mils equivalent to R18

ASTM E-1461-92 & E-1269

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  
Smoke Developed: 5  
Toxicity: 0

ASTM E-84

## MECHANICAL PROPERTIES

Cross hatch adhesion: 100%  
Tensile strength (lb/in<sup>2</sup>): 66.7  
Elongation: 65%

ASTM D-3359  
D-882

## PHYSICAL PROPERTIES

Accelerated Aging: 200 hr. Passed  
Density (g/cm<sup>3</sup>) @ 24C Dried Film: 0.41  
Weight per gallon: 5.9 pounds  
Volume Non-Volatiles: 43%  
Volume Dried Film: 83% (+/-2%)  
Brookfield Viscosity #3 Spindle @ 30 rpm Centipoises: 3564  
pH: 8.7  
Specific Gravity: .69  
Heavy Metals: None Detected  
Chlorides - Mercury: None Detected

ASTM G-53  
D- 792

## WARRANTY

Limited Warranty: **TEMP-COAT®** Brand Products, LLC warrants **TEMP-COAT® Insul-AII™** 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.