

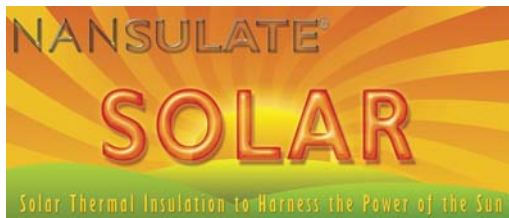


Nansulate® Solar Insulation



Capture More Solar Power with Nanotechnology





Increase the performance of Solar Thermal Systems with Nansulate® Solar

Nansulate® Solar Insulation Coating is a clear, thin thermal barrier coating that increases the performance of solar thermal systems by reducing heat loss, and thus retaining more of the captured power from the sun to improve overall performance.

The nanotechnology based coating has benefits that other insulation does not, which include:

- **Excellent thermal insulation** in a thin layer system that does not increase weight or bulk
- **Increases efficiency** of all solar installations which reduces the solar array size requirement
- **Clear, UV resistant invisible barrier** that does not change the look of the underlying surface, and provides excellent protection from UV rays
- **High temperature capability** to handle surface temperatures up to 400°F
- **Proven record of reducing energy consumption** for a variety of industrial, commercial and residential applications
- **Easily applied** with conventional paint spray equipment and no installation hardware required
- **No moisture infiltration**, which gives the insulation the benefits of corrosion and mold resistance



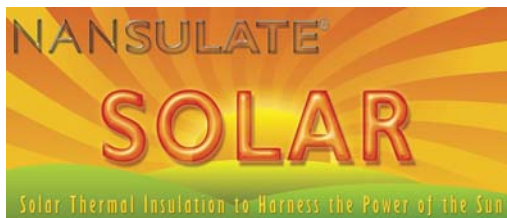
Flat Plate Panels with Improved Performance

Nansulate® Solar Insulation improves performance of flat plate panels, raising the heat retention level by 27%, or close to that of evacuated tube panels.



Invisible Thermal Barrier on Water Heating Systems

The invisible thermal barrier of Nansulate® Solar Insulation can be incorporated into any size system and used on both metal and non-metal substrates.



Experience the innovation of Solar powered by Nanotechnology

The technology behind Nansulate® is a unique micro-sized material with nano-sized internal architecture that inhibits the transfer of heat, causing the material to act as an effective thin insulator with added features of moisture, mold and corrosion resistance.

The opportunities for improving performance by reducing heat/energy loss include:

- **Solar collectors** - both flat plate and evacuated tube panels can increase heat retention during daylight and night time phases
- **Solar water heaters & piping** can be coated to reduce heat loss and decrease energy used to maintain water temperature
- **Heat exchangers** - the amount of heat used for heat exchangers can be reduced by 20% or more using Nansulate® Solar Insulation
- **Steam boilers** - effectively insulate steam boilers and lines with no infiltration of moisture into the insulation to cause corrosion



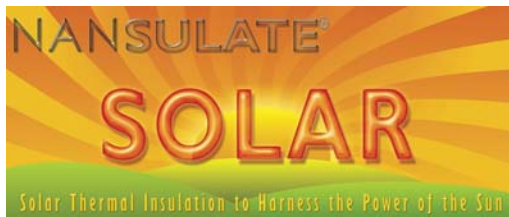
Steam boiler coated with Nansulate® Solar

A large textile customer saved \$600,000 annually on his energy bill after coating steam boilers and related equipment. The increase in energy efficiency overall was 20%.



Heat exchangers, water tanks and piping become more efficient

An industrial customer saved \$100,000 annually on energy costs after coating heat exchangers, tanks, and piping. The increase in energy efficiency overall was 10%.



Nansulate® Technology Providing Tomorrow's Energy Solutions Today

Industrial Nanotech, Inc. capitalizes on emerging opportunities for applied nanotechnology in the industrial, commercial and residential energy saving markets. The company funds and participates in research with some of the world's leading laboratories, including government laboratories, university and private laboratories to develop and commercialize patented nanoscience technologies for diverse industries. Industrial Nanotech is a member of the U.S. Green Building Council and the American Solar Energy Society. (www.industrial-nanotech.com)

Would you like to learn more about Nansulate® Solar and our technology? We will be happy to provide a personal consultation.

Visit us at:

www.nansulatesolar.com

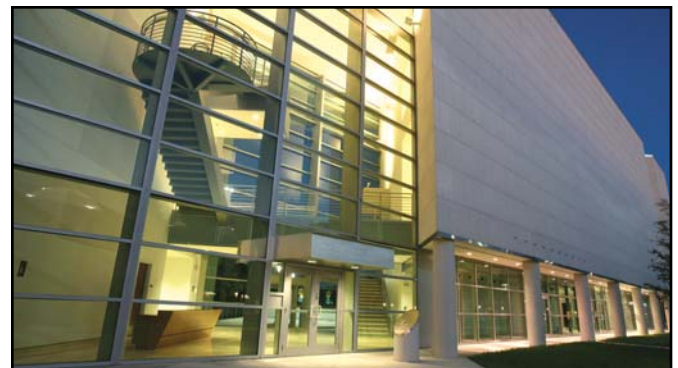
Or contact us at 800-767-3998 or +1 239-254-0346

Email: contact@nansulate.com



Suvarnabhumi International Airport

Nansulate® technology was chosen as a sustainable, energy saving solution for the new international airport in Bangkok, Thailand



Florida International University - Frost Art Museum

Nansulate® provided the best choice for utilizing sunlight through skylight windows while improving the building's thermal envelope

NANSULATE®

AWARD-WINNING ENERGY SAVING & ASSET PROTECTION COATINGS

We are the people who bring the best of science to the world's great companies.

Industrial Nanotech, Inc. funds & participates in research with the world's brightest scientists and leading laboratories. We produce materials that work for you...increasing productivity and efficiency. It's not just talk or theory...it's amazing technologies.

No one can afford to ignore the dramatic developments that nanotechnology is producing in materials and the manner in which materials are designed and manufactured. There are too many effective solutions to problems and too many opportunities coming to the marketplace to let anyone else get ahead.



NANSULATE® - GREEN NANOTECHNOLOGY

Industrial Nanotech, Inc. utilizes nanotechnology to produce materials with a unique combination of performance characteristics. These include; thermal insulation, corrosion resistance, mold resistance, lead encapsulation, chemical resistance, and flame resistance.

Industrial Nanotech, Inc. is a global nanoscience solutions and research leader that develops and commercializes new and innovative applications for nanotechnology which are sold worldwide. We are a proud member of the American Solar Energy Society and U.S. Green Building Council.

Green characteristics of our products include:

- Reduces energy consumption in industrial, commercial, and residential applications
- Reduces carbon emissions by reducing energy use
- Water-based, non-toxic, low VOC
- The particles utilized are safe, micron sized particles with nanoscale internal architecture modification
- Certified as safe for use by consumers: NSF non-food compound registration as safe for incidental contact with food (required for restaurant and food processing facility use) and by Industrial Health and Safety Consultants, Inc.

NANSULATE®

AWARD-WINNING ENERGY SAVING & ASSET PROTECTION COATINGS

Product Overview

Industrial & Pipeline



Nansulate® EPX

water-based epoxy system
-severe service environments
-thermal insulation, corrosion resistance, chemical resistance, flame resistance



Nansulate® High Heat

water-based thin film coating
-temperatures up to 400F (204C)
-metal and non-metal substrates
-thermal insulation, corrosion resistance
-easily applied



Nansulate® PT

water-based thin film coating
-temperatures up to 257F (125C)
-metal substrates
-thermal insulation, corrosion resistance
-easily applied



Nansulate® GP

water-based thin film coating
-NSF Registered
-non-metal substrates
-thermal insulation, mold resistance
-easily applied

Green Building & Solar



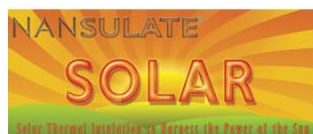
Nansulate® HomeProtect Clear Coat

water-based thin film coating
-thermal insulation
-mold resistance
-exterior or interior use
-clear, matte finish
-non-metal or metal substrates
-easily applied



Nansulate® HomeProtect White Interior

water-based thin film coating
-thermal insulation
-mold resistance
-interior use
-white, semi-gloss finish
-can be tinted
-non-metal or metal substrates
-easily applied



Nansulate® Solar

water-based thin film thermal solar insulation coating
-clear, matte finish
-easily applied
-increases system performance by reducing heat/energy loss
-insulates and protects against corrosion

Specialty



Nansulate® LDX

water-based thin film lead encapsulation coating
-clear, smooth, matte finish
-metal and non-metal surfaces
-mold resistant
-easily applied



NanoBoost™

Automotive parts coating
-temperatures up to 400F (204C)
-clear, smooth, matte finish
-reduce heat transfer, boost horsepower
-thermal insulation, corrosion resistance
-easily applied



Nansulate® Top Coat

water-based, white, top coat
-white, semi-gloss finish
-can be tinted
-mold
-easily applied

Agriculture



Nansulate® Bee Protect Clear

Protective hive coating
-clear, smooth finish
-coated on exterior of hive
-insulates and protects against mold growth
-durable, long life
-easily applied



Nansulate® Bee Protect White Top Coat

Protective hive coating
-white, semi-gloss finish
-coated on exterior of hive
-insulates and protects against mold growth
-durable, long life
-can be tinted
-easily applied



NANSULATE® GREENHOUSE

THE ULTIMATE GREENHOUSE INSULATION COATING

Nansulate® Greenhouse
Clear greenhouse insulation coating
-clear, smooth finish
-insulates from cold
-allows through visible light
-durable, long life
-easily applied