

BENEFITS OF NANSULATE® INSULATION

- ✓ Reduction of energy consumption
- ✓ Continued cost savings long after your payback period
- ✓ Reduction of related carbon emissions
- ✓ Protection of equipment from moisture and corrosion
- ✓ Reduction of surface temperature for employee safety
- ✓ Reduction in plant environment temperature
- ✓ Ease of installation, can be applied with minimal downtime
- ✓ Improved dye lot consistency



INDUSTRIAL NANOTECH INC
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Textile Companies Utilizing Nansulate®
Technology Include:

Coats plc	Henateks
Anteks-antalya	CMS Textile
Erenko Tekstil	Aloha Tekstil
DEBA Textile	Zorluteks-Luleburgaz

...among many others

Important Note: Application of coatings could cause issues with inspection of the welding seams by your local authorities, depending upon the interval of these inspections. If you feel this may be an issue, please check with your inspection authorities prior to application.



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SUSTAINABILITY SIMPLIFIED™ NANSULATE®

Thermal Insulation Coatings for Dye Machines,
Garment Presses, Boilers, Steam Pipes and more



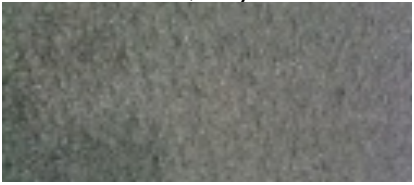
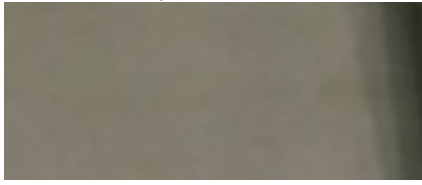
*Insulate with Nansulate® Coatings.
Save energy and protect
equipment easily and affordably!*

Two Superior Insulation Choices to Fit Every Customer



"Having comprehensively tested Nansulate coatings we found they significantly reduced process energy whilst standing up to the harsh environment of an industrial dye house. We anticipate the change will have a dual effect: reducing our process steam consumption by over ten per cent - and therefore our carbon footprint by around two per cent - and significantly improving the working conditions in our dye houses, which is great news for both our business, and the environment."

-Michael Schofer, Chief Supply Chain Officer, Coats plc

Ultimate Insulation Solution (UIS)	Clear Insulation Solution (CIS)
<p>For heavy duty insulation:</p> <p>Nansulate® EPX 2-part epoxy coating Insulation, chemical and flame resistant, used with EPX NanoPrime™ for adhesion and corrosion prevention.</p>	<p>For smooth, clear or opaque insulation:</p> <p>Nansulate® Translucent High Heat Insulation and corrosion resistance.</p> <p>*Clear on surfaces under 90C, Opaque on surfaces over 90C.</p>
<p>This choice provides energy savings in the range of 15%-30%.</p>	<p>This choice provides energy savings in the range of 10%-20%.</p>
<p>Textured, Grey Finish</p> 	<p>Smooth, Translucent Finish</p> 
<p>Nansulate® EPX - \$135.00 US per gallon Coverage: 3.53 m2 per gallon @ 2 coats (1000 microns/40 mils wet film thickness each) EPX NanoPrime™ - \$89.95 US per gallon Coverage 10.5 m2 per gallon @ 4 coats (100 microns/4 mils wet film thickness each)</p>	<p>Nansulate® High Heat - \$89.95 US per gallon Coverage: 4.2 m2 per gallon @ 10 coats (500 microns wet film thickness)</p>
<p>Savings Example: Annual KWH Consumed by manufacturing operations: 8,000,000/ Cost per KWH: .030 Annual Energy Cost: \$240,000.00 USD % Savings with Nansulate® Equipment Insulation (conservative estimate) = 15% Estimated product cost: \$20,000.00 Estimated installation cost: \$20,000.00 Estimated time to Payback: 13.3 months - Annual Energy Cost Savings: \$36,000.00 USD Typical customer payback is between 6-18 months</p>	



NANSULATE® TRANSLUCENT HIGH HEAT

Thermal insulation, corrosion prevention and moisture resistant coating. Interior and exterior use. Metal surfaces up to 400F (204C).

Shelf Life	2 years
VOC content	100 g/L
Cross Hatch Adhesion ASTM D-3359	100% 5B
Pull Apart Strength - ASTM D-4541	2400-2450 psi
Flame Spread/Smoke Developed - ASTM E84	Class A
Thermal flow (watts) (UNI EN ISO 8990:1999)	34.8% decrease in thermal transmission
U/V Exposure	Passed 2000 hours
Accelerated Salt Fog Corrosion Test (GM9540P)	Passed 24 cycles
Thermal conductivity (BC/BP/JC issue 1 rev. C)	No visible signs of cracking, flaking or disbondment.
CUI Exposure Test (BC/BP/JC issue 1 rev. C)	No visible signs of cracking, flaking or disbondment.



NANSULATE® EPX - 2 PART EPOXY SYSTEM

Thermal insulation, chemical and flame resistant, heavy duty insulation. Interior and exterior use.

Shelf Life	1 year
VOC content	60 g/L
Pot Life	2 hours
Tensile Strength - ASTM D-2370	3500 psi, 24000 kpa
Flame Spread/Smoke Developed - ASTM E84	Class A
Chemical resistance to spillage:	10% Acetic Acid, Toluene, Bleach, Ethanol, Deionized Water, Xylene, 50% Sodium Hydroxide, 95% Sulphuric Acid, Fuels, Oils, 5% Lactic Acid



EPX NanoPrime™ used at 4-coats as a primer for EPX. Can also be used for UV resistance as a top coat at 1-coat.

Nansulate® thermal barrier coatings offer an easy way to improve energy efficiency and reduce costs. The coatings insulate effectively and provide protection from moisture and corrosion.

The coatings are easily installed on site by your own maintenance crews or a contractor, with minimal downtime of your operations.

Nansulate® energy saving coating technology is used worldwide to insulate buildings, equipment and machinery simply and effectively. It reduces energy consumption, lowers carbon emissions, and improves worker environment.

