

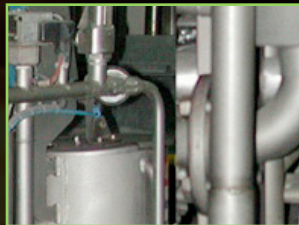
# NANSULATE®

AWARD-WINNING ENERGY SAVING & ASSET PROTECTION COATINGS

## Nansulate® Energy Savings for Tire Manufacturers

### Recommended Equipment to Insulate

- Tire Curing Press
- Un-shielded Vulcanization Containers
- Steam Pipes
- Boilers
- All piping in Power Houses
- Extruders
- Tanks
- Other equipment in need of insulation
- Building walls, roof, ceiling



## Product and Application Details: Nansulate® High Heat & Nansulate® EPX

### Application Information

- ✓ Easy to apply
- ✓ Zero to minimal downtime
- ✓ Application time: 1 to 3 days
- ✓ Application can be done by brush, roller or sprayer
- ✓ Water-based for easy clean up



## Nansulate® Award-Winning Sustainable Coatings

The power of nanotechnology enables multiple benefits in one product.

- ✓ Energy savings
- ✓ Thermal insulation
- ✓ Corrosion prevention
- ✓ Moisture resistance
- ✓ Low VOC (100 g/L)
- ✓ Non-flammable and Non-Toxic
- ✓ Improves Worker Safety



- ✓ Highly durable
- ✓ Excellent adhesion
- ✓ Chemical resistance
- ✓ Flame resistance
- ✓ Easily applied
- ✓ Improves product consistency
- ✓ Lasts 5-10+ years

## Nansulate® Sustainability Simplified™

### Client Case Studies

#### Global Tire Manufacturer:

1) Curing/Vulcanization Container: Reported a 15-20C degree surface temperature decrease.

2) Extruders: Reported a marked decrease in the amount of hot and cold cycling to maintain the 90C process temperature.

#### Bandvulc Tyre:

Heat Exchanger Plates: Reported average surface temperature reduction of 25%.

## Insulation Option Details

### Option #1 Nansulate® Translucent High Heat

Coverage: 10 coats

Cost per S.F. = \$2.00

Application Time: 1 1/2 to 2 days

Expected Energy Savings: Between 10%-20%

### Option #2 Nansulate® High Heat + EPX

Coverage: High Heat @ 11 coats + EPX @ 2 coats

Cost per S.F. - \$5.75

Added abrasion/chemical/flame resistance & insulation

Application Time: 2-3 days

Expected Energy Savings: Between 15-30%

## Nansulate® Customers:

U.S. Navy, U.S. Army, American Red Cross, Kraft Foods, L-3 Communications, Tampa Bay Port Authority, Coats plc, Bandvulc Tyres, Campbell Soup Company, Global Tire Manufacturers, SAIC, Smart Fuels, Galp Energia, and many others