

POULTRY HOUSE

Niagara Falls

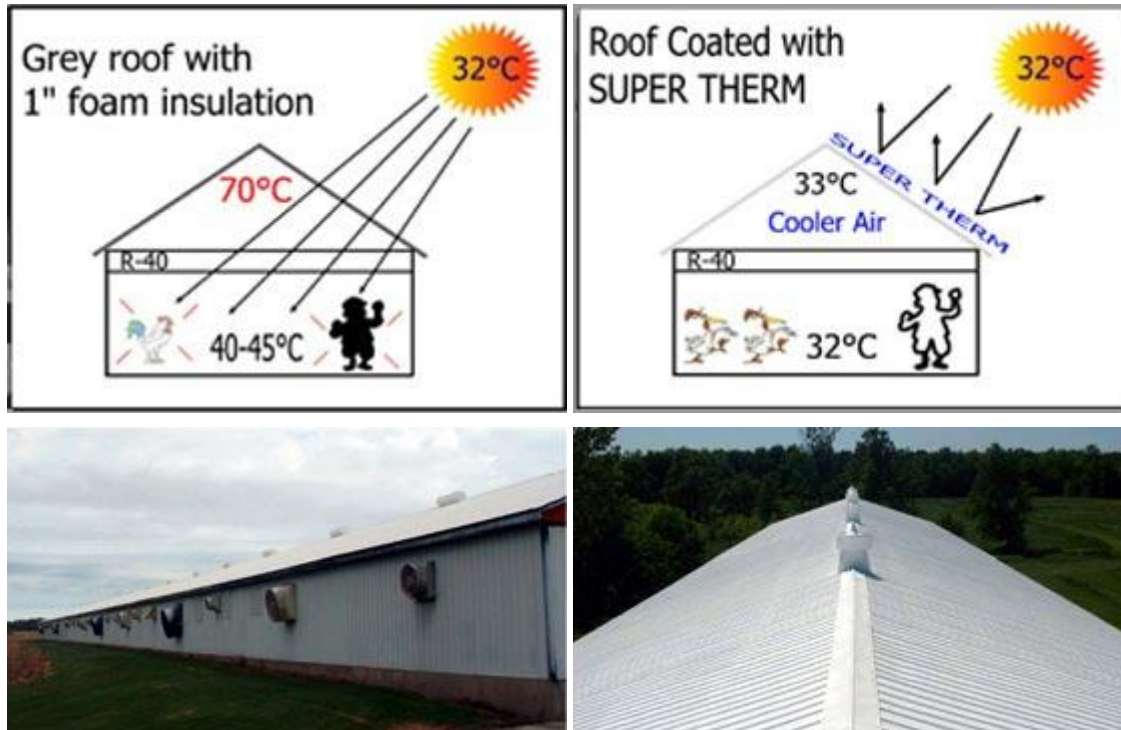
SUPERTHERM® applied to the roof of a 20,000 sqft poultry house in Niagara Falls Canada, to help reduce the temperature. Current insulation materials (Cel Pak) being used in the houses become loaded with moisture from condensation and must be replaced every 5 years. **SUPERTHERM**® coated houses eliminate condensation and will perform for 20 years without concern for reinsulation. **SUPERTHERM**® provides the added environmental benefits of a reduced **HEAT ISLAND EFFECT**.



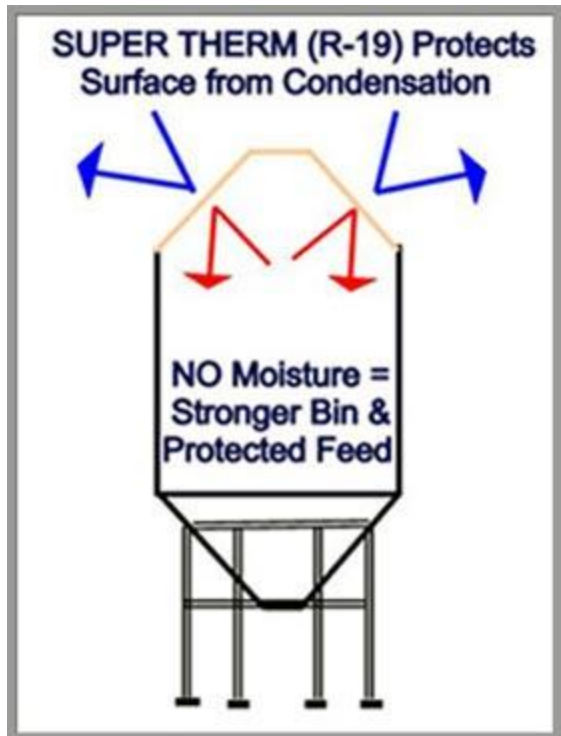
Heat stressed birds have reduced profitability in several different ways:

- 1. Increased mortalities - any direct loss is important as the cost of the chick is immediately lost, as well as any feed that has been ingested.**
- 2. Lower and less consistent weights - heat stressed birds will not eat during the day. When temps. drop during the evening, the birds rush for the feeders, fight for position, and then gorge. Binge eating reduces potential gains, and due to fighting, smaller birds have less of a chance to eat, resulting in inconsistent weights that irritate processors.**
- 3. Higher feed conversions - The greatest cost in poultry production is the feed cost. Due to energy losses of the birds trying to keep cool, as well as changes in feeding habits, poor feed conversions can strip a lot of profits from a flock.**

SUPERTHERM® Reduced attic temperatures by 30°, which helped reduce the death rate of Birds by 75%. Birds were also an average of one pound heavier in the **SUPERTHERM**® coated house at the end of the grow season, which results in more cash value per bird.

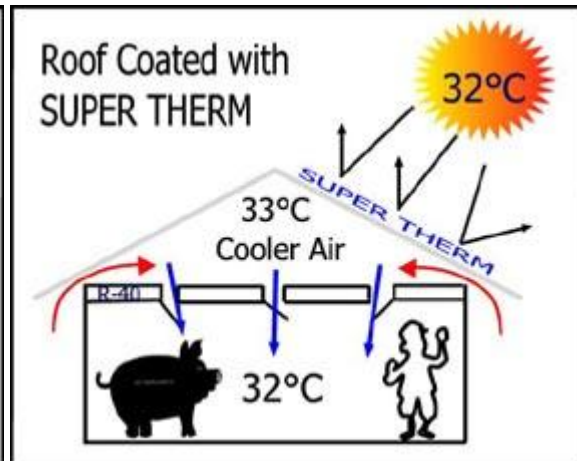
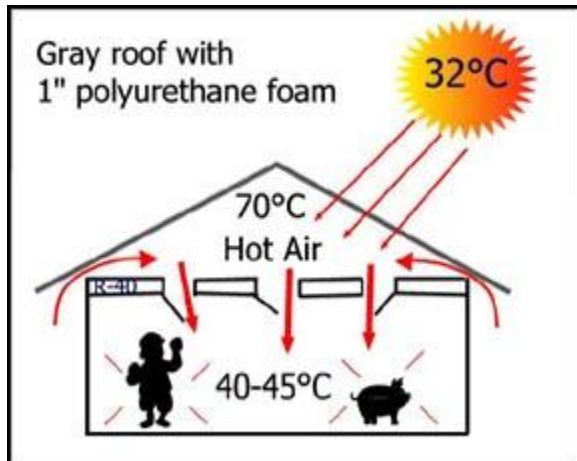


SUPERTHERM® applied to a Bin Feeder prevents condensation, protecting feed from moisture



SUPERTHERM[®] was used on Cold Water Pipes inside the poultry house. The lines remain cool due to the moving water, and high heat and humidity inside the house can cause condensation to form on the outside of the pipes. This water drips onto the bedding, reducing litter quality. Wet litter can be a reservoir for disease. **SUPERTHERM[®]** eliminates condensation, helping to prevent outbreaks of coccidiosis and enteritis.





CONTROL THE HEAT ON HORSES

Problem:

- ♦ Hot temperatures = HOT horse trailers = Heat Stressed Horses
- ♦ In 24°C+ temperatures, horses cannot dissipate body heat quickly enough to maintain homeothermy (OMAF 2003)
- ♦ High heat causes a horse's respiration and sweating mechanisms to become less effective
- ♦ Horses need to stay COOL for highest performance



Solution:

SUPER THERM

Insulating Ceramic Coating

- ♦ SUPER THERM is a certified insulator equal to R-19
- ♦ Coated on your trailer roof to reflect heat away
- ♦ Helps keep your horse within its thermal comfort range
- ♦ Extremely strong weathering and thermal shock resistance
- ♦ Reduces 68% of sound through the surface it is coated over
- ♦ Longer life for trailer roofs - controls corrosion and thermal expansion
- ♦ Easy application with many uses for your stables/barns



***SUPER THERM will COOL your TRAILER
= Healthier, more content and productive horses***

Information provided by: Marianne Schuts