



Invisaflects!

www.HowToSaveDiesel.com

Is Your Refrigerated Trailer Costing You More Than Necessary?

- Nearly every trailer on the road today is under insulated.
- The recommended level of insulation in most home attics is 6 times the level of an average trailer!
- The ironic truth is that insulating a refrigeration trailer has a much faster pay back than insulating a home or building. Profits are greatly impacted by this measure.



So why aren't companies taking action?

Every trailer manufacturer wants to:

- A. Maximize space
- B. Minimize weight
- C. Provide a rugged product



Sadly, many trailer manufacturers have never consulted with experts in the energy field and very little energy/fuel saving measures have been implemented.

Many trailer owners are not aware that a fuel saving product like Invisaflects is available in an aftermarket application.

Additionally, most trailer owners view rising fuel prices as a “necessary evil” and haven’t considered fuel savings potential.

We are changing the game rapidly!

Invisaflects Reflective Roof Technology

Save Thousands Of Dollars On Fuel Consumption



Invisaflects is a unique set of coatings that is painted on the roof of refrigeration trailers, which reflects UV and infrared heat far more effectively than gloss white paint.

What Can Invisaflects Do For You?

- We can provide huge insulation value resulting in a drastic reduction in fuel consumption with little change to weight or space dimension.
- Invisaflects coating is rugged and is designed to withstand harsh weather conditions and UV exposure.
- Invisaflects is here to provide the consulting, education, and implementation of this technology to eliminate unnecessary fuel expense and tremendous amounts of carbon pollution in our world. Every gallon of fuel burnt presents over 20 pounds of carbon into the atmosphere! We are talking to OEM's of trailers and existing owners to foster the use of these great coatings throughout the United States, Canada, and Europe!



Do you want to put an extra
\$7581.60 up to 7,581,600.00 in
your bank account each year?

Invisaflects coatings can reduce
fuel consumption up to

50%

# Trailers	Gallons Saved	Pounds of Carbon Emissions Reduction
1	3120	68,440.32
5	15600	342,201.60
10	31200	684,403.20
100	312000	6,844,032.00
1000	3120000	68,440,320.00



Dingwall Scotland Refrigeration Case Study

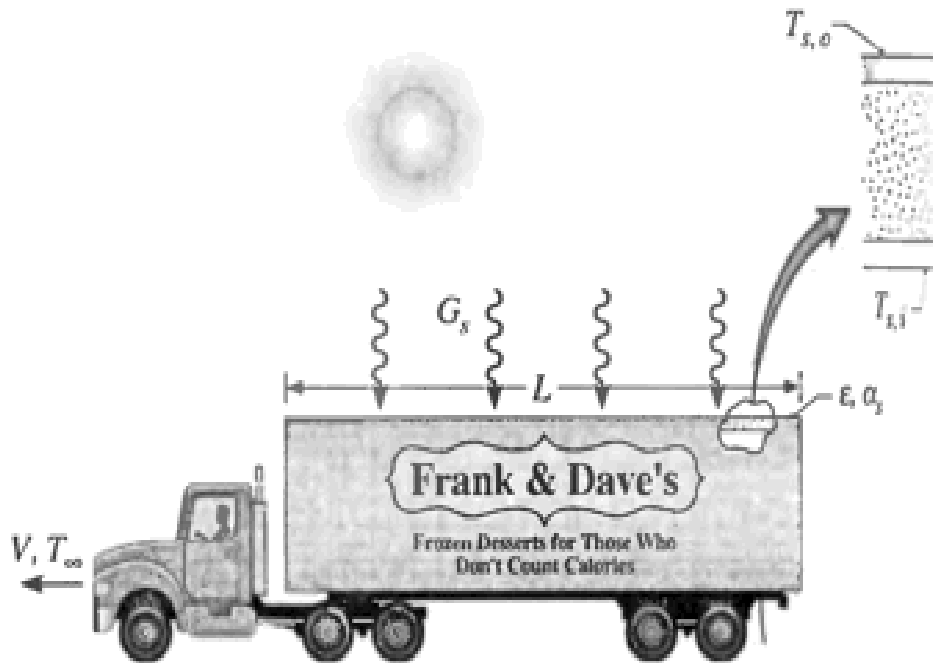
- In a separate test bed located in Dingwall Scotland, a stationary trailer used for cold food storage at the food distributor RSF Scotland was monitored. The company supplies food to many important restaurant concerns including the famous Caledonian Sleeper Train. The trailer was coated after monitoring the electricity usage for several weeks. The test results found that that even though the trailer was opened and closed frequently, it achieved a 19.56% savings on electricity!

Some quick science facts you must understand

- Traditional insulation works like a sponge and the thicker the sponge the better the insulation works. This is a problem when it comes to trailers.
- Invisaflects works by reflecting heat like a mirror does with visible light. The shiny thin layer of silver behind the glass reflects light similar to how our thin layer of specially coated microspheres reflect InfraRed energy.



Scientific White Paper Results



$$T_{s,o} = 301.1\text{K} = 27.1^\circ\text{C}$$

<

$$q = 675.3\text{W}$$

<

(c) Without the insulation ($t_2 = 0$) and with $\alpha_s = \epsilon = 0.5$,

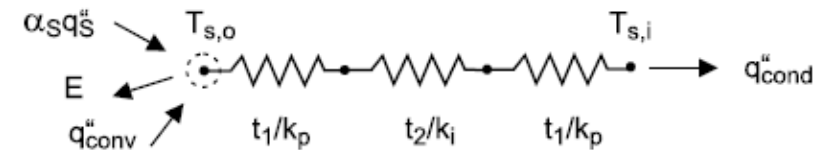
$$T_{s,o} = 263.1\text{K} = -9.9^\circ\text{C}$$

<

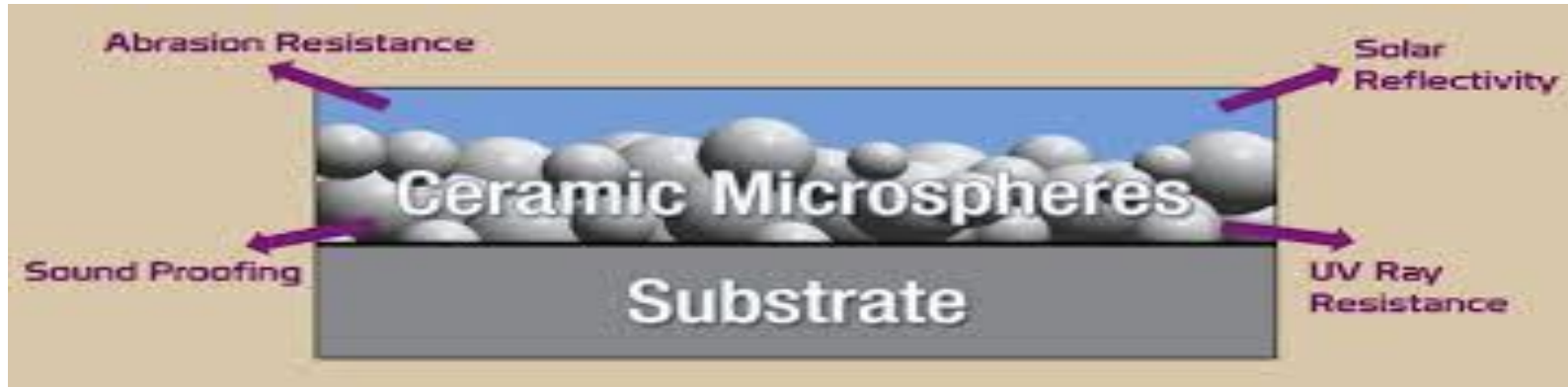
$$q = 90,630\text{W}$$

<

COMMENTS: (1) Use of the special surface finish reduces the solar input, while increasing radiation emission from the surface. The cumulative effect is to reduce the heat load by 15%. (2) The thermal resistance of the aluminum panels is negligible, and without the insulation, the heat load is *enormous*.

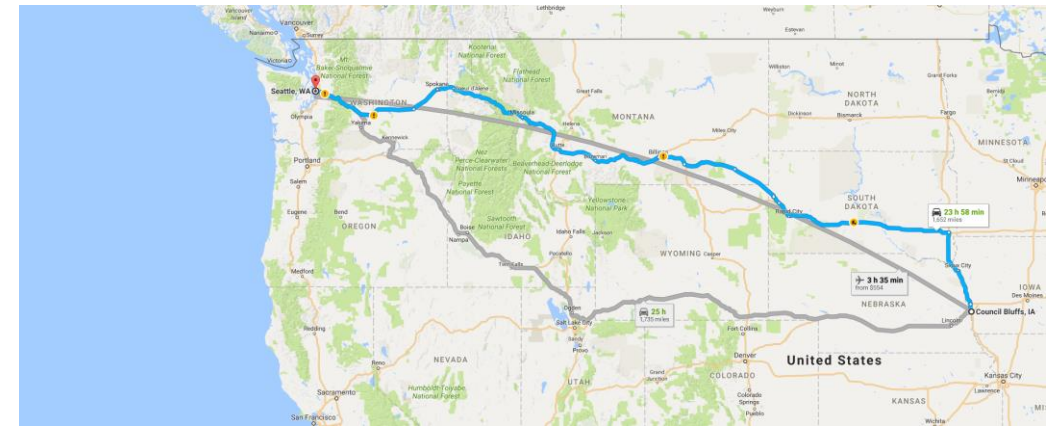


What is the Science behind Invisaflects?



Invisaflects controls heat transfer in two ways.

1. Coated Ceramic Microspheres inside the coating create a radiant barrier that is seen by infrared and ultraviolet light but are invisible to your eye. NASA invented this technology for extreme heat reflection.
2. The color of the paint is extremely reflective to radiant energy in an outdoor application.



Har-Vest LLC Road Test Comparison

- A small trucking concern, Har-Vest LLC, coated a 53-foot refrigeration trailer on the roof and inside surfaces with Invisaflects White LightScene and Reflective Roof Technology to prevent radiation heat loss and gain. After coating the trailer, the driver Jeff Brockman reported that a trailer owned by the same company took the same route to Washington and back during the same week. These trailers have dedicated fuel tanks which provide fuel only for the refrigeration unit so driving habits have no bearing on the results. The results were incredible! The uncoated trailer used half of a 50-gallon fuel tank whereas the Invisaflects coated trailer used less than a quarter of a tank showing a 50% SAVINGS! Later Jeff Brockman reported his trailer ran over 8500 miles on 40 gallons of fuel to supply his refrigeration unit. Brockman, after seeing the performance of the Invisaflects coatings stated “I have never seen anything like this!”

We use your data to give you accurate projections of savings

- What are the inputs?
- 1. Number of Trailers
- 2. Average gallons of fuel used each month
- 3. Tax bracket for your company both State and Federal
- 4. Average Price you foresee for fuel prices



We give you the
projections and you
decide what is in your
best interests



Here is your customized savings report prepared by 0

Company Blue Bunny



How will Invisaflects impact the bottom line?

	Per Year Savings	7 Year Savings	10 Year Savings	7 Year RRI
We estimate that your company will save	\$ 172,908.63	1210360.38	\$ 1,729,086.26	13.5%
The projected fuel savings we calculated was	\$ 141,494.34	\$ 990,460.38	\$ 1,414,943.40	
The projected tax savings we calculated was	\$ 31,414.29	\$ 219,900.00	\$ 314,142.86	

What will be the environmental impact?

The projected amount of reduced carbon pollution from your company is



Pounds of Carbon per Year
1,096,456.14

Some benefits are huge but hard to quantify.

What is the value of saying to the world that you eliminated that much pollution?
What will the impact be on your maintenance costs each year now that the units run less?
How much increased lifespan will you get from your trailers?
How many loads of product will be protected from spoilage because you insulated better?
While we cannot tell you exact numbers, it is clear that these benefits could be quite large!




Can we welcome you to the Invisaflects Family?

Data provided by your company in order to prepare this analysis for you

Average Price per Gallon	\$ 2.83
Number of trailers in use	100
Federal and State Tax Bracket	44%
Average Gallons/month/trailer	83.33

Implementation in 3 ways

1. We have local applicators supplied by our company to handle regional players with 1 or a few locations.
2. We can deploy applicators through our national relationship with  for large fleets. We can accommodate large fleets even on-site!
3. We can supply your staff with procedures and materials.

