



# CHILL SKYN

The World's Coolest Coating

Proactive  
Passive  
Heat Mitigation

Confidential

# Save Fuel. Protect Loads. Keep Trailers Cooler.

CHILL  
SKYN

- A proven **spray-on coating** that delivers up to 90°F cooler trailer roofs and up to \$30K in lifetime savings for reefers.



💰 Large Energy Savings | 🛡️ Protect Your Load | ⌚ Fast and Easy to Install

## Simple Solution – Large Impact.

1

**Up to 50°C** Temperature Drop on Exterior Roof – without any power usage

2

**Up to 17°C** Temperature Drop on interior roof through 5 cm of insulation

3

**Simple Retrofit Application**  
By spray coating in less than 8 hrs

4

**Save 10X the Investment**  
Over the life of your trailer



## Features

# Zero-Power

No energy required for cooling



# UV resistant

No UV degradation



# Minimal Weight

Very light material – thin coating – 6kg on an average 53' Trailer



# Hydrophobic

Self-cleaning properties: water beads up and rolls away



# Put PolyFrost to the Test in Your Fleet.

CHILL  
SKYN

- Try it on your trailers.
- Measure **fuel savings** and **temperature stability** in real-world runs.
- See results within weeks.



Contact ChillSkyn today to schedule your fleet application



[info@chillskyn.com](mailto:info@chillskyn.com)



[www.chillskyn.com](http://www.chillskyn.com)

# APPENDIX

# Projects Results

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# Proven Efficacy – German Military - 17% Savings – 1000 hrs



PolyFrost™ vs. Paint



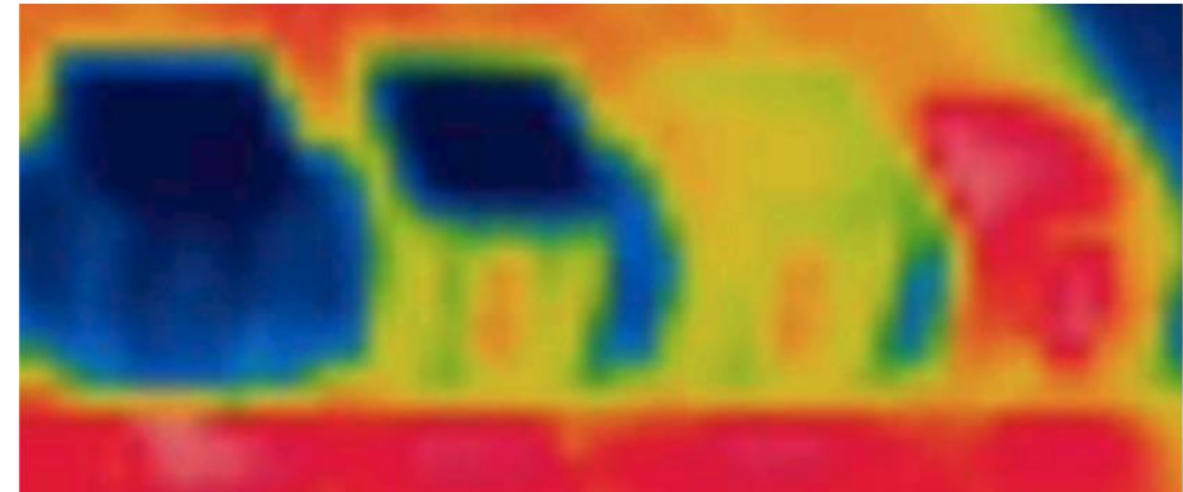
ALL SIDES

ROOF ONLY

CONVENTIONAL  
PAINT

CONVENTIONAL  
PAINT

IR Thermal Imaging



ALL SIDES

ROOF ONLY

CONVENTIONAL  
PAINT

CONVENTIONAL  
PAINT

## Bundeswehr - German Military Research Institute

- 6 weeks trial
- Monitoring PolyFrost performance compared to their conventional coatings

- Achieved 18°F temperature drop **in the center of the container** vs. the light color conventional paint without the use of any mechanical cooling (at mid-day – 82°F ambient)
- Achieved up to 23% energy reduction when using air conditioning over a 2-week period.

# Rejuvenating an older trailer

## Third Party Validation – New Mexico – 400 hrsm – 18% Savings



Save up to **\$7,000 in annual costs per trailer with PolyFrost**, a passive cooling coating that reduces roof temperatures by up to 50°C and restores performance in aging reefers by offsetting insulation degradation.

**\$1,260**  
less fuel

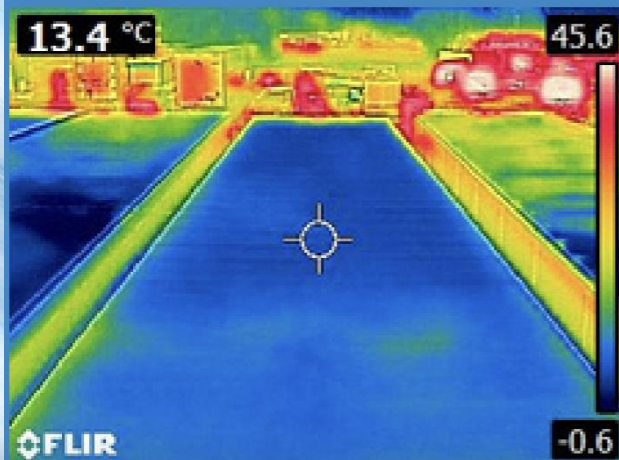
**Direct fuel savings by cutting compressor run time**  
2,000 hours run time/year, \$3.50/gal of fuel

**\$540**  
less upkeep

**Less Run Time - Less Wear**  
**Save in maintenance costs**  
\$1.50 maintenance cost/hour of run time

**\$5,000**  
asset savings

**Run Older Reefers Like New**  
Delaying asset replacement unlocks \$4K-6K per year in asset value



### FUEL CONSUMPTION PERFORMANCE

**Without POLYFROST**      2018 reefer consumed **18% more fuel** than 2025 model

**With POLYFROST**      2018 reefer fuel consumption **almost identical to 2025 model**

**With POLYFROST**      2018 reefer roof temp.: Up to **90°F (50°C) cooler** under peak sun



# Major USA Food Manufacturer – 600 hrs – 20% Savings

**20%**  
less day run  
time

**Significant reduction in  
compressor operation time**  
Daytime - under direct sun exposure

**17%**  
less night  
run time

**Thermal load reduction extends  
to nighttime**  
Helping the trailer maintain freezing  
conditions more efficiently

**600**  
hours  
testing

**PolyFrost consistently  
reduced runtime and energy  
demand**  
50-day test period, including 25 days  
baseline (pre-coating)



# Proactive Passive Heat Mitigation

[www.chillskyn.com](http://www.chillskyn.com)