

PERFORMANCE REPORT ON APPLICATION OF THERMACOOL SHR COATING - 28TH Aug 2021

Client : Vijay Logistics Pvt. Ltd., NH-48, Kapriwas Chowk, Kapriwas – Akeda Road, Kapriwas, District Rewari, Haryana

Product Manufacturer : Thermogreen Cool Coat Pvt. Ltd.
 Regd. Office: E-24, Panchsheel Park, New Delhi – 110017, Tel: 011-26184076
 Mumbai Office: A-107, Kailash Industrial Complex, Park Side Road, Vikroli (W) - 400079

Substrate : Container Truck – Corrugated Metal Substrate

Product/s Applied : Thermacool STP (Primer) – 1 Coat of 80 – 100 microns
 Thermacool 0.3M (Topcoat) – 2 Coats totaling to 100 – 120 microns

Readings @ ambient temperature of 34°C :

Reading	Uncoated	Coated	Difference
RHS Surface	48.6°C	39.2°C	9.4°C
LHS Surface	47.6°C	38.3°C	9.3°C
Door Surface	50.5°C	39.9°C	10.6°C
Roof Surface	61.1°C	39.2°C	21.9°C
Inside Ceiling	57.1°C	41.7°C	15.4°C



Uncoated Container Truck under Cleaning



After Application of Thermacool STP (Primer)



After Application of 2 Coats of Thermacool 0.3M



Ambient Temperature - 28th Aug 2021, 12:24 PM



Coated and Uncoated Trucks under testing



Joint Inspection Team



LHS Temp Difference = $47.6^{\circ}\text{C} - 38.3^{\circ}\text{C} = 9.3^{\circ}\text{C}$
 (the LHS and RHS Temp difference was same)



Door Temp Difference = $50.5^{\circ}\text{C} - 39.9^{\circ}\text{C} = 10.6^{\circ}\text{C}$



Roof Temp Difference = $61.1^{\circ}\text{C} - 39.2^{\circ}\text{C} = 21.9^{\circ}\text{C}$



Ceiling Temp Difference = $57.1^{\circ}\text{C} - 41.7^{\circ}\text{C} = 15.4^{\circ}\text{C}$

Conclusion: Significant temperature difference was observed after application of Thermacool System on the container truck. The inside of the container coated with Thermacool System felt very much cooler as compared to uncoated container.

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