

# LIZARDSKIN OEM

**INNOVATING THERMAL AND SOUND PROTECTION**



## **Spray-Applied Thermal and Noise Solutions**

Protect your vehicles and trailers with LizardSkin OEM performance coatings.

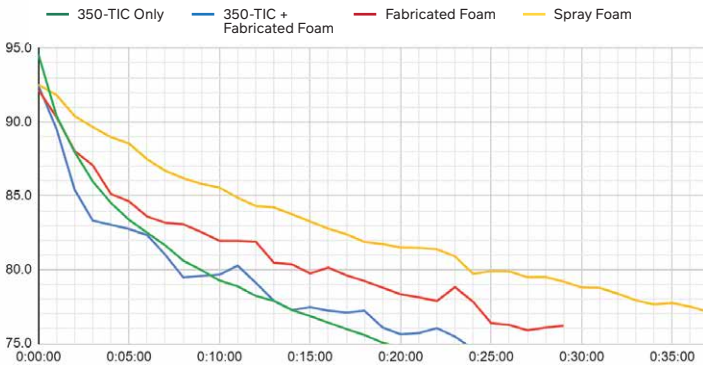
LizardSkin is a global leader providing quality engineered thermal insulating, reflective, and sound deadening coatings for over 25 years. The coatings reduce thermal transfer and prevent condensation, as well as provide vibration reduction and sound damping to ensure that the interior of your vehicles and trailers stay comfortable. Whether applying to interior or exterior, the spray-applied nature of the coatings allows them to be installed easily and rapidly on the most complex geometry, so every square inch is protected.

## Reduce Heat Transfer and Prevent Condensation

**350-TIC Thermal Insulating Coating** is a spray-on, water-based insulating coating designed to act as a thermal barrier within all types of vehicles: The coating is tested to ASTM standards and exceeds most criteria for weatherability, adhesion, flexibility, and UV resistance. It has passed FMVSS 302 for flame resistance, ensuring the coating will not contribute to a fire should one break out. It has also been subjected to Interior Climate Control Tests and proven that it can decrease interior temperatures from 98°F to 75°F, 45% faster than fabricated foam style insulation when air conditioning is introduced into a parked vehicle.

Able to withstand constant temperatures up to 350°F, it is more than capable of handling the temperatures that attack vehicle interiors with ease. The coating bonds directly to the surface or primer and will provide superior adhesion compared to commonly used automotive radiant barriers that can debond after only a few years, if not shorter. This will give your vehicles a long-lasting, effective thermal insulation solution that will not degrade over time.

Time from 95°F to 78°F (AMD 012)



## Reduce Solar Loading on Rooftops

**200-RRC Reflective Rooftop Coating** was designed as a unique reflective coating for the roofs of vehicles and trailers to reflect the sun's energy and reduce the amount of heat that is gained through the top of the vehicle or trailer. But unlike conventional white paint that simply reflects the sun's energy, 200-RRC contains technologically advanced insulating particulates that also provide true thermal insulation. This means that any heat that does try to pass through it further reduced.

Most vehicles in these categories are sure to get dirty over time, and the roof is not always effectively cleaned. This is where 200-RRC offers a clear advantage over antiquated reflective coatings. If the coating gets dirty, it will still provide insulation capabilities against the hot sun, keeping passengers and equipment inside cool from the exterior heat.

## Keep Vibration and Noise to a Minimum

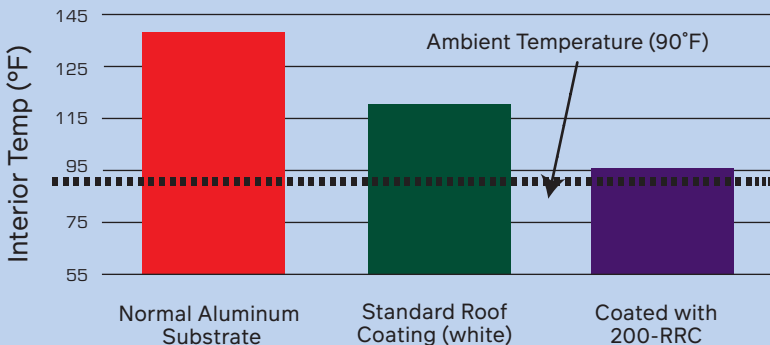
**300-SDC Sound Deadening Coating**'s technology can completely replace antiquated mat-style products, minimizing loud vibration due to structural translation and mechanical output. The coating can significantly increase safety, enhance audio clarity, and ensure vehicle comfort and safety for passengers. Typical automotive thicknesses range from 40–60 mils (1–1.5 mm), though some applications may require more.

## 300-SDC Performance Specs

### Decibel Drop at Various Thicknesses and Frequencies

Substrate Material	Thickness Ratio (mm)	Octave-Band Center Frequency, Hz								
		31.5	63	125	250	500	1000	2000	4000	8000
Aluminum	1.5	10	11	12	13	13	13	13	13	13
	1.0	8	10	11	12	12	12	12	12	12
	0.5	5	6	8	8	9	9	9	9	9
Steel	1.5	10	12	14	14	14	14	14	14	14
	1.0	8	10	11	12	12	12	12	12	12
	0.5	4	6	8	8	8	8	8	8	8

Whether you utilize 300-SDC to quiet vibration from engines, generators, road noise, or any other source that is negatively affecting the interior, you can expect superior performance, durability, and little-to-no waste. Though it requires minimal application effort, the coating lasts for the life of the vehicle without routine maintenance and will outlast other damping options on the market today. The water-based formulation allows for safe, easy application of multiple coats, and because it is low in VOCs, 300-SDC is safe for use in any facility.



## Case study

A coach builder had a problem with their existing insulation solutions in high-end Class-A buses intended for touring musicians and performers. Not only did the butyl mats (sound) and foam (thermal) products have long-term adhesion issues, they also left waste bridges where insulation could not be installed due to complex geometry. Since their clientele expected only the best, the builder knew they had to find an alternative.

After learning about LizardSkin OEM 350-TIC and 300-SDC and initial trials were completed to verify the performance would be up to their standards, the company began installing the coatings into all their new builds. Not only are they now able to provide an insulation solution that will not debond for the life of the vehicle, the spray-applied nature of the coatings allowed them to effectively cover all intended areas with no waste bridges. They note that the coaches have reduced solar loading, and that vibrations from the generator and from road travel are greatly decreased. All of this means greater comfort for their discerning customers, and will help them ensure repeat business in the future.

## Are you experiencing any of the problems below?

- **Insulation or damping mats falling off**, rendering them ineffective or causing a hazard
- **Personnel safety and comfort concerns** (from heat and noise) need to be effectively and permanently resolved.
- **Passenger safety and comfort** occurring in passenger and crew compartments.
- **Excessive heat gain** from rooftops
- **Inability to insulate waste bridges** and other hard-to-reach areas with complex geometry

**Call LizardSkin OEM today, we can help**

# **LIZARDSKIN** **OEM**

**INNOVATING THERMAL AND SOUND PROTECTION**

**4310 CAMPBELL ROAD, HOUSTON, TEXAS 77041**

**800.549.0043 | LIZARDSKIN.COM**