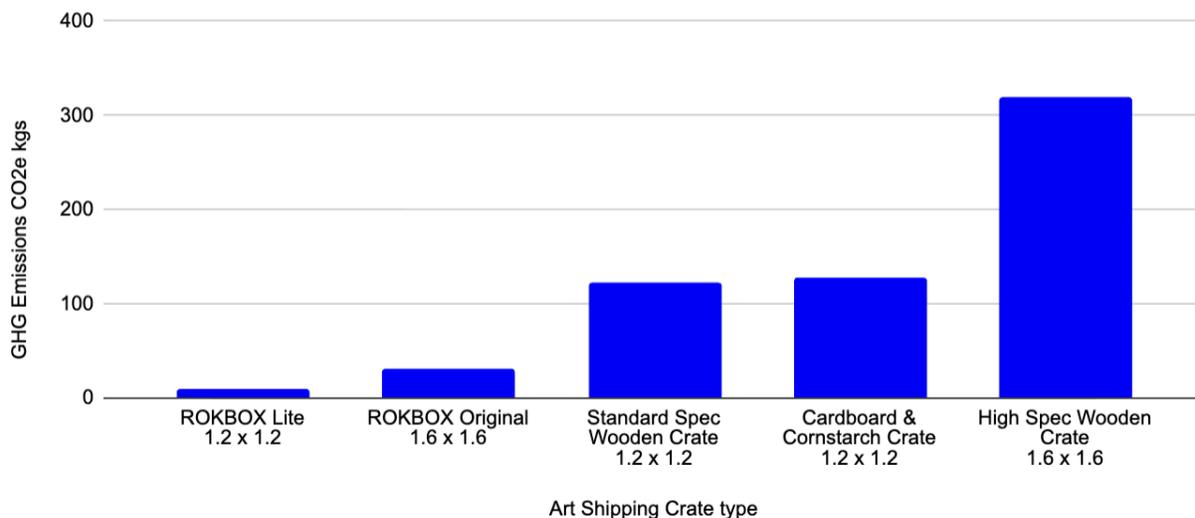


## Research shows ROKBOX crates reduce fine art transport emissions by up to 92%

A Life Cycle analysis of commonly used fine art crating reveals ROKBOX crates can reduce the CO<sub>2</sub>e of all art shipments by up to 95%.

- An in-depth Life Cycle Analysis (LCA) carried out by Northeastern University, compares sector-standard wooden and cardboard crates to ROKBOX crates and shows ROKBOX crates have **less than 1/10th the environmental impact of wooden and card crates**.
- Single-use and hard to recycle packaging litters our lands and oceans, releasing preventable emissions which contribute to air pollution, global heating and extreme weather.
- This research is evidence of accessible, available tools that will reduce sector emissions significantly and quickly.
- **Art logistics could cut a quarter of a million tonnes of CO<sub>2</sub>e<sup>1</sup> in the next 12 months**, based on the findings in this report.

### Comparing the greenhouse gas emissions of different fine art shipping crates



*This graph shows the emissions results of a range of fine art shipping crates for journeys by air, road and sea, as analysed in NorthEastern's 2025 LifeCycle Analysis*

An independent 44 page Life Cycle Analysis (LCA) carried out by a team at Northeastern and overseen by Dr. Matthew Ecklelman, summarised:

**“The LCA demonstrates that ROKBOX products outperform traditional art shipping crates across all environmental impact categories.** These findings strongly support ROKBOX's position as a more sustainable alternative to traditional art shipping crates, with significant advantages across all environmental

impact categories. **Most importantly, a single shipment using a ROKBOX Lite has less than one-tenth of the greenhouse gas emissions of its competitors."**

The report also states that using a ROKBOX Lite just once is better for the environment than a wooden crate.

### **What does this mean for the art world?**

The benefits of moving to circular ROKBOX packaging not only removes packaging waste but will help reach organisational and sector climate goals, which benefit society as a whole.

If just 40% of 2D shipments switched from single-use wood or card crates to ROKBOX Original and ROKBOX Lite, the sector would save 1 million tonnes of CO<sub>2</sub>e in just 4 years, which is 254,000k tonnes per year<sup>1</sup>.

Reusable ROKBOX crates are specifically designed to be safer whilst significantly lowering emissions and waste at all points in the life cycle. Auction houses, museums, galleries and collectors are using ROKBOX to reduce costs, risk and carbon footprint with each use.

A previous [2022 LifeCycle Analysis](#) published by STiCH (Sustainable Tools in Cultural Heritage) compared ROKBOX, wooden and Turtle crates and found ROKBOX crates have a significantly lower impact.

**Kim Kraczon, Conservator and Sustainability Specialist** commented:

*"The data is clear: the circular design principles and lightweight materials selected and utilized by Rokbox significantly reduce carbon emissions when transporting artwork by truck, sea or air, compared to single-use wood and cardboard crates."*

**Andrew Stramentov, ROKBOX Founder & CEO** commented:

*"The movement of art around the world is the life force of culture, but it traditionally comes with a high environmental price tag. This new, independent research shows ROKBOX is solving a major problem for art shipping. Any art world participant can cut the CO<sub>2</sub>e of their next shipment by up to 95%, just by using a different crate. It's simple."*

ROKBOX crates are also independently tested to protect art better than wooden crates and this, combined with the inherent sustainability features, has led to reduced fine art insurance premiums when using ROKBOX.

### [DOWNLOAD THE FULL LIFE CYCLE ANALYSIS](#)

Any questions, email [info@rok-box.com](mailto:info@rok-box.com)

Press enquiries, email [claudia@rok-box.com](mailto:claudia@rok-box.com)

<sup>1</sup>Calculations based on data from UBS Art Market report, Julie's Bicycle Art of Zero report, STiCH report 2022 and ROKBOX LifeCycle Analysis 2025. This is an estimate and we acknowledge the many variables at play in art shipping, including artwork weight and variables in transportation and fuel methods.

[www.rok-box.com](http://www.rok-box.com)