

carboncalcpcf.com

Product Carbon Footprint: uuxfedtldn

Report Generated: May 20, 2026 by mvjgrpjqpz

Total PCF: 26.89 kgCO₂e

Comprehensive Footprint

26.89 kgCO₂e

(Cradle-to-Grave)

Carbon Intensity

26.89 kgCO₂e/unit

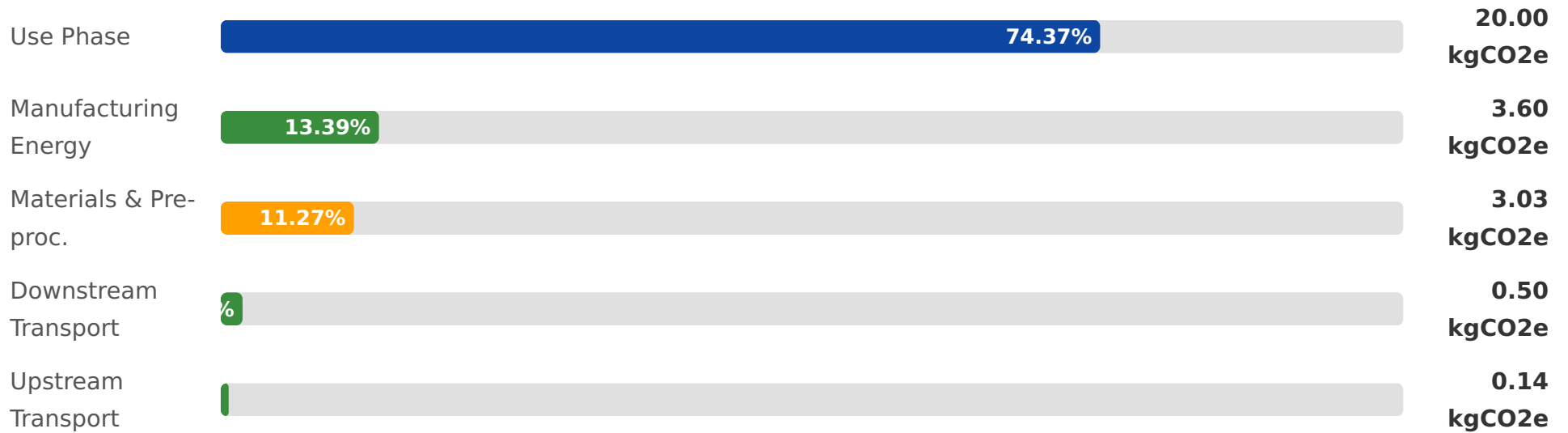
(Per 1.0 unit of uuxfedtldn)

Top Material Hotspot

Steel frame

(1.10 kgCO₂e)

Lifecycle Stage Breakdown



End-of-Life (EoL) resulted in an avoided emission credit of 0.38 kgCO2e, primarily due to high recyclability.

- **Enhance Energy Efficiency in Use:** Prioritize design improvements to drastically reduce the product's energy consumption during its use phase.
- **Boost Renewable Energy in Manufacturing:** Explore opportunities to increase the percentage of renewable energy used in manufacturing beyond the current 60%.
- **Optimize Material Selection:** Investigate and adopt alternative materials with lower embodied carbon, increase recycled content, and work with suppliers for specific emission data.
- **Improve Logistics:** Optimize transport routes and modes to reduce distances and improve load factors for both upstream and downstream activities.
- **Strengthen Circularity:** Leverage existing take-back programs to maximize product lifespan, repair, reuse, and high-quality recycling beyond the 70% target.