

LCA Report - Aluminium LCA Analysis

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Executive Summary

Carbon Emissions: 1405 kg CO₂e

Energy Consumed: 8251 MJ

Water Use: 3123 L

Circularity Index: 64%

Process Configuration

Material Type: Aluminium

Electricity: 1200 kWh

Fuel Type: Diesel

Fuel Energy: 4320 MJ

Transport Distance: 312 km

Transport Mode: Ship

Recommendations

1. Consider circular economy principles to further reduce impact