

LCA Report - Steel LCA Analysis

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Executive Summary

Carbon Emissions: 110 kg CO₂e

Energy Consumed: 83 MJ

Water Use: 31 L

Circularity Index: 65%

Process Configuration

Material Type: Steel

Electricity: 12 kWh

Fuel Type: Diesel

Fuel Energy: 43 MJ

Transport Distance: 813 km

Transport Mode: Ship

Recommendations

1. Consider rail or ship transport for long distances