

Careline

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Prepared By T Bowes

Product Information

Product Name Careline
Weight (kg) 41.82
Size (mm) 1785 x 1185 x 110
Service Life (Lx@Hrs) L90@5k Hours
Location Of Manufacture UK
% Assessed by Weight 100%

Total embodied carbon calculated in line with Mid Level TM65 calculation method

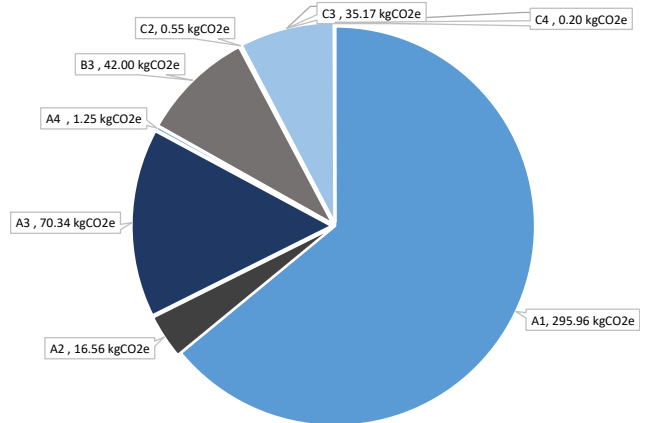
600.66 kgCO₂e



Embodied carbon calculations results breakdown

Life Cycle Stage	KgCO ₂ e	Percentage of total
A1 Material Extraction	295.96 kgCO ₂ e	64.05%
A2 Transport to Factory	16.56 kgCO ₂ e	3.58%
A3 Manufacturing Energy	70.34 kgCO ₂ e	15.22%
A4 Transport to Site	1.25 kgCO ₂ e	0.27%
B3 Repair	42.00 kgCO ₂ e	9.09%
C2 Transport To Waste	0.55 kgCO ₂ e	0.12%
C3 Waste Processing	35.17 kgCO ₂ e	7.61%
C4 Waste Disposal	0.20 kgCO ₂ e	0.04%

Total A1-A4, B3, C2-C4	462.04 kgCO ₂ e
With Buffer (1.3)	600.66 kgCO ₂ e



[About this product](#)

Assumptions

A1 Material Extraction
A2 Transport to Factory
A3 Energy

Table 2.1 default values are used from TM65 2021. Aluminium data point as per supplier EPD
Calculated in line with TM65 Table 4.8 & Table 4.9 (HGV)
WLL use >97% REGO backed renewable energy so assumed value equals 0kgco2/kwh
This study is using 2023 energy values and production weight values
Energy values as TM65 default Carbon Factors; Electricity (non REGO): Table 4.10 - UK, Gas: Table 4.11 - Global
Approximate distance assumed to be Ashton-Under-Lyne to Northampton (227km), & Table 4.8 (HGV)
TM65 Table 4.6: 10% of A1-A3, C2-C4 assumed
TM65 Table 4.7 & Table 4.8
TM65 Table 4.7
TM65 Table 4.14 - Light & Table 4.15

A4 Transport
B3 Repair
C2 Transport to Waste
C3 Waste Processing
C4 Waste Disposal

Following study should be used in absence of appropriate EPD documentation

