

TM65 Mid-Level Calculation

ARDCSLM

ARDEN, CEILING, SURFACE, MAINTAINED



Product Information

Weight	1.085 kg
Service Life	10 Years
Location of Manufacture	Solihull

Life Cycle Stage	kg CO ₂ e	Percentage of Total	Notes
A1: Material Extraction	11.774 kgCO ₂ e	52.22%	TM65 Assumption
A2: Transport	0.430 kgCO ₂ e	1.91%	TM65 Assumption
A3: Manufacturing	3.081 kgCO ₂ e	13.67%	
A4: Transport to Site	0.043 kgCO ₂ e	0.19%	TM65 Assumption
B3: Repair	5.658 kgCO ₂ e	25.10%	One battery replacement accounted for over 10 year product life
C2: Transport	0.014 kgCO ₂ e	0.06%	
C3: Waste Processing	1.541 kgCO ₂ e	6.83%	
C4: Disposal	0.005 kgCO ₂ e	0.02%	TM65 Assumption
Total: A1-A4, B3, C2-C4	22.546 kgCO₂e		
Including Buffer Factor	29.310 kgCO₂e		

Total Embodied Carbon
(TM65 Mid-Level Calculation)

29.310

kg CO₂e

Calculated using CIBSE DT65 Embodied Carbon Calculator (Beta V1.3)

For further information, please contact sales@philippayne.co.uk