# TM65
# Mid-level Report

MMPCO18 - (MMPCO18) Powder Coating Finish - MM1800 Merchandiser (Hot Or Cold)

Assessment Date 15/10/2026

Manufacturer CED Fabrications

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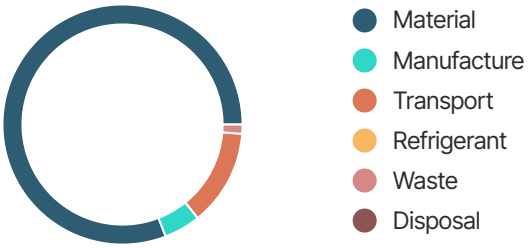
## Metrics

**Embodied Carbon**

8 kgCO2e

**Embodied Carbon Footprint**




## Product Information

| | |
|---|---|
| Capacity of equipment/size (kW; m3; litres; etc.) | N/A |
| Product weight (kg) | 1 kg |
| Material % breakdown for at least 95% of the product weight? (Y/N) | Y |
| Product service life (years) | 10 |
| If refrigerant based, type of refrigerant used and GWP | N/A |
| Refrigerant charge (kg) | N/A |
| Energy consumption of the factory* per unit of product | 0 kWh |
| Location of manufacture* | N/A |
| Product complexity category | 3 |

| Embodied carbon results (kg CO2e) — breakdown | |
|---|---|
| A1: Material extraction | 5 kgCO2e |
| A2: Transport | 0.79 kgCO2e |
| A3: Manufacturing | 0.32 kgCO2e |
| A4: Transport to site | 0.04 kgCO2e |
| A5: Construction | N/A |
| B1: Refrigerant leakage during use | 0 kgCO2e |
| B2: Maintenance (if information given by manufacturer) | N/A |
| B3: Repair | 1 kgCO2e |
| B4: Replacement | N/A |
| B5: Refurbishment | N/A |
| B6: Operational energy | N/A |
| B7: Operational water | N/A |
| C1: Refrigerant leakage when decommissioning | 0 kgCO2e |
| C2: Transport | 0.01 kgCO2e |
| C3: Waste processing | 0.08 kgCO2e |
| C4: Disposal | 0 kgCO2e |

| Embodied carbon results (kg CO2e) — without refrigerant leakage | |
|---|---|
| A1–C4 without buffer factor (excluding B1, C1) | 6 kgCO2e |
| A1–C4 with buffer factor (excluding B1, C1) | 8 kgCO2e |

| Embodied carbon result (kg CO2e) — refrigerant leakage only | |
|---|---|
| B1 (refrigerant leakage during use) + C1 (refrigerant leakage at end of life) | N/A |

| Embodied carbon result with 'mid-level' calculation method — total | |
|---|---|
| Result of 'mid-level' calculation method | 8 kgCO2e |

| Assumptions | |
|---|---|
| A1: Material carbon coefficient source | CIBSE TM65, Table 2.1 |
| B1: Refrigerant annual leakage rate (%) | N/A |
| C1: Refrigerant end of life recovery rate (%) | N/A |
| B3: Materials replaced as part of repair (%) | 10 |
| C4: Percentage of product going to landfill (%) | 55 |



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