

## TM65 Mid-Level Calculation ANGEL-MINI-HELIX

## Site name

**Riverside Works** 

Site address

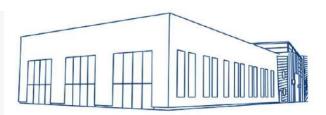
Carbrook Street Sheffield, S9 2JE

Products per year

41,401

Assessment date	01/11/2023
Assessor	Tasha Lyth
Organisation	Gripple Ltd
Contact	sustainability@gripple.com

Type of product	Acoustic & lighting supports	
Capacity of equipment (M)	1.0 m	
Product weight (kg)	0.02 kg	
Material breakdown for at least 95% of the product weight (Y/N)	Υ	
Service life of the product (years)	25**	
Types of refrigerant	N/A	
Refrigerant GWP	0.00 kg	
Energy consumption of the factory per unit of product (kWh)	0.01 kWh: Electricity, natural gas	
Location of manufacture	Sheffield, UK	
Product complexity	Category 1: See CIBSE TM65 table 4.3	



Embodied carbon result with 'mid-level TM65 calculation' method total:

0.098 (kg CO<sub>2</sub>e)\*



\*Figure reached using 'Mid-Level' TM65 calculator

\*\*Product service life when installed in accordance with Gripple key recommendations, 25 year extended product warranty available at Technical Services discretion.

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Embodied carbon result with 'mid-level TM65 calculation' method total:

0.098 (kg CO<sub>2</sub>e)\*

Embodied carbon results breakdown (kg CO <sub>2</sub> e)		
A1: Material extraction	0.061 kg C0 <sub>2</sub> e	TM65 assumption
A2: Transport	0.003 kg C0 <sub>2</sub> e	TM65 assumption
A3: Manufacturing	0.002 kg C0 <sub>2</sub> e	
A4: Transport to site	0.001 kg C0 <sub>2</sub> e	TM65 assumption
B1: Use	0.000 kg C0 <sub>2</sub> e	TM65 leakage type 0
B3: Repair	0.007 kg C0 <sub>2</sub> e	TM65 assumption
C1: Deconstruction	0.000 kg C0 <sub>2</sub> e	TM65 leakage type 0
C2: Transport	0.000 kg C0 <sub>2</sub> e	
C3: Waste processing	0.002 kg C0 <sub>2</sub> e	
C4: Disposal	0.000 kg C0 <sub>2</sub> e	TM65 assumption

Embodied carbon results - without refrigerant leakage (kg CO <sub>2</sub> e)		
A1-C4 (excluding B1,C1)	0.076 kg CO <sub>2</sub> e	
A1-C4 with Buffer Factor (excluding B1, C1)	0.098 kg C0 <sub>2</sub> e	

Embodied carbon result - refrigerant leakage only (kg CO <sub>2</sub> e)			
B1 (Refrigerant leakage during use) + C1 (Refrigerant leakage end of life)	0.000 kg C0 <sub>2</sub> e		
Assumptions			
A1: Material carbon coefficient source	Source = CIBSE TM65 table 2.1		
B1: Refrigerant annual leakage rate (%)	0%: Source = CIBSE TM65 table 4.13 type 2		
C1: Refrigerant end of life recovery rate (%)	100%: Source = CIBSE TM65 table 4.13 type 2		

- **B3: Materials replaced as part of repair (%)** 10%: Source = CIBSE TM65
- C4: Percentage of product going to landfill (%) 10%: Source = CIBSE TM65

\*Figure reached using 'Mid-Level' TM65 calculator \*\*25 years for project work as decided by Gripple Technical Services

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