



RB Architectural provides premium solutions across Liverpool, blending aesthetic elegance with rigorous functional standards. From bespoke door handles to high-specification fittings, we source durable, stylish hardware that complements your project's character. Our expert selection ensures seamless integration, enhancing both the security and tactile finish of your space.

## R B ARCHITECTURAL HARDWARE LIMITED

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## PPN 006 – Carbon Reduction Plan

Supplier Name: **R B ARCHITECTURAL HARDWARE LIMITED**

Publication date: 01.01.2026 To be updated: Annually

### Commitment to achieving Net Zero by 2050

The most recent report from the Intergovernmental Panel on Climate Change (IPCC), AR6, described the severe consequences of a failure to prevent global temperature rise below 1.5°C. The recently concluded COP26 made clear that to limit global warming at 1.5°C, carbon emissions need to halve by 2030 and drop to net zero by the middle of the century for the best chance to avoid the worst impacts of climate change.

As a responsible business R B ARCHITECTURAL HARDWARE LIMITED is committed to becoming net-zero by 2050.

This report sets out a net-zero roadmap, detailing the strategies we have put in place to achieve this goal.

## 1. Introduction

RB Architectural Hardware Limited is a specialist provider of architectural solutions with over 15 years of experience delivering to the UK construction industry. Based in Liverpool, the organisation has established itself as a core partner for major projects—including the Liverpool FC Academy and Manchester Business School—focusing on high-specification hardware, integrated doorsets, and access control.

To ensure the highest standards of safety, security, and project compliance, RB Architectural maintains and adheres to the following:

- **GAI Trained Estimating:** Our team is trained by the **Guild of Architectural Ironmongers**, providing door-by-door scheduling that adheres to the latest fire standards and building regulations.
- **Fire Safety & Compliance:** All doorsets and ironmongery solutions are fully certified to **EN1634** and **BS EN 16005**, ensuring full compliance with the Equality Act and UK fire safety legislation.
- **CSCS Accredited Installation:** Our in-house team of 22 full-time installers are members of the **Construction Skills Certification Scheme (CSCS)**, ensuring professional and safe delivery on every site.

## 2. Sites In Our Estate

Site	Estate size (sqft)	% of total estate size	Description	Tenure
<b>Head Quartered in Liverpool</b> 36 Sandy Road, Liverpool, England, L21 3TW	1448	100%	Commercial Office	leased
<b>Registered Address:</b> 36 Sandy Road, Liverpool, England, L21 3TW	[...]	100%	Base of operations	
Total applicable estate size (excludes out of scope properties)	[...]	100%		
Number of sites	1			

## 3. Emissions Inventory

Emission Scope	Category	Activity Detail	Usage Data	2025 Conversion Factor	Emissions (tCO <sub>2</sub> e)
Scope 1	Direct	Natural Gas Heating	0	0.18293 per kWh	<b>0.00</b>
Scope 2	Indirect	Purchased Electricity (Market) REGO certified	148,074.90 kWh	0.00000(Renewable)	<b>0.000</b>
Scope 2	Indirect	Purchased Electricity (Grid)	148,074.90 kWh	0.17700 per kWh	26.209 (Ref only)
Scope 3	Travel	Business Travel (Road)	48,330.20 miles	0.26857 per mile <sup>1</sup>	<b>12.980</b>
Scope 3	Travel	Business Travel (Rail)	2,568.83 miles	0.05696 per mile	<b>0.146</b>
Scope 3	Subsistence	Hotel Stays (London)	20 nights	11.50 kg per night	<b>0.230</b>

Emission Scope	Category	Activity Detail	Usage Data	2025 Conversion Factor	Emissions (tCO <sub>2</sub> e)
Scope 3	Subsistence	Hotel Stays (UK-wide)	181 nights	10.40 kg per night	1.882
Scope 3	Commuting	Staff Commuting <sup>2</sup>	28,392 miles	0.26857 per mile	7.625
Scope 3	Commuting	Homeworking <sup>3</sup>	50 staff / 218 days	0.348 kg per day	3.793
Scope 3	Logistics	Upstream Courier	5,680 miles <sup>4</sup>	0.39521 per mile	2.245
Scope 3	Waste	Operational Waste	253 days	<i>Benchmark applied</i>	0.020
Scope 3	Utilities	Water & Wastewater	1,421 m <sup>3</sup>	0.44300 per m <sup>5</sup>	0.629
<b>TOTAL</b>	<b>Baseline</b>	<b>Market-Based Total</b>			<b>29.550</b>

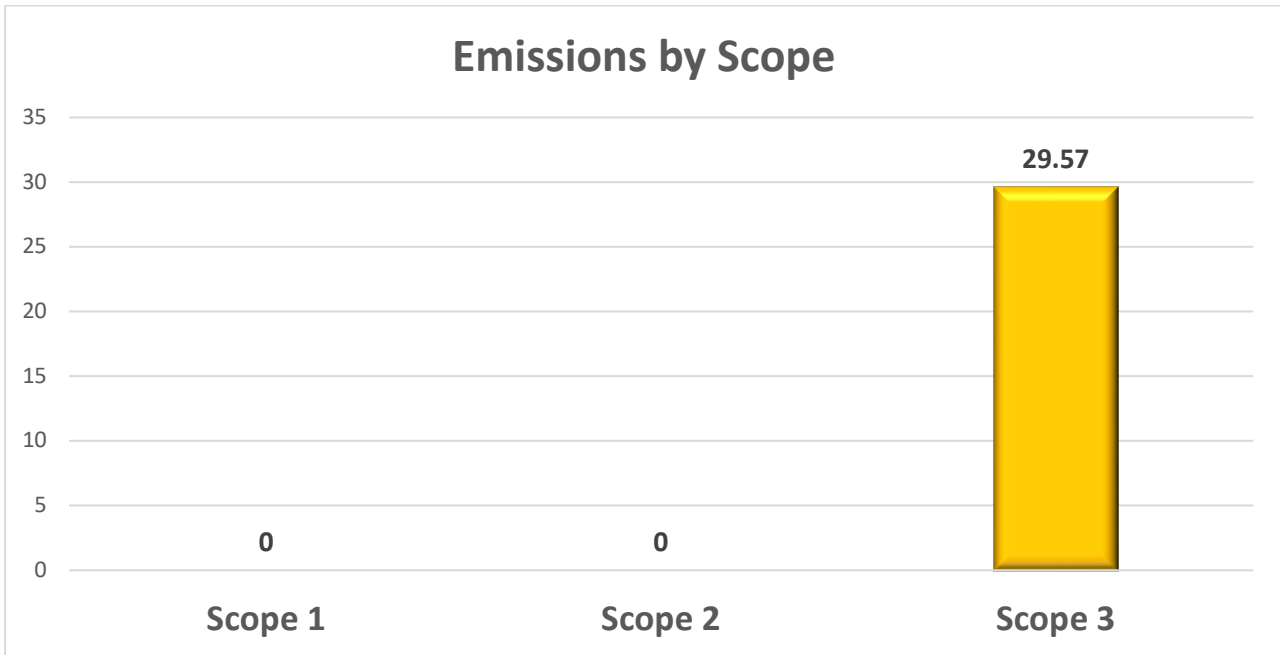
#### Calculation Notes & Assumptions

- <sup>1</sup> **Business Travel (Road):** Used "Average Car (Unknown Fuel)" factor as specific vehicle types were not provided.
- <sup>2</sup> **Staff Commuting:** Calculated as: 182 miles times 3days/week 52 weeks = 28,392 annual miles for the group of 10 staff.
- <sup>3</sup> **Homeworking:** Based on the EcoAct/DESNZ methodology for incremental home energy use (approx. 0.348 kgCO<sub>2</sub>e per day per person).
- <sup>4</sup> **Logistics:** Calculated as 71 journeys times 80 miles average = 5,680 miles} using an average van factor.
- <sup>5</sup> **Water:** Emissions for supply and treatment are combined. The figure is noted as "overstated" in our records due to the transition from 24/7 on-site operations.

## 4. Baseline Carbon Footprint (Feb 2025 – Jan 2026)

Feb 2025- Jan 2026 is the first year where we have a complete GHG inventory, including the five Scope 3 categories required for PPN 006 compliance. Reasonable assumptions are made in calculating the Scope 3 emissions for this period – not all of scope 3 has been calculated at this time, this is a work in progress.

Emission Scope	Total Emissions (tCO <sub>2</sub> e)	Components Included
<b>Scope 1</b>	<b>0.00</b>	Natural gas heating, Company Fleet (none).
<b>Scope 2</b>	<b>0.00</b>	Purchased electricity (100% Renewable REGO CERTIFIED via British Gas).
<b>Scope 3</b>	<b>29.57</b>	Business travel, hotel stays, homeworking, commuting, waste, and logistics.
<b>GRAND TOTAL</b>	<b>29.57</b>	<b>Official Baseline for RB Architectural Hardware Limited.</b>



- **Baseline Period:** Feb 2025 – Jan 2026
- **Reporting Period:** Feb 2025 – Jan 2026

In accordance with PPN 006 requirements for first-time reporting, our baseline emissions and current submission figures are the same

## 5. Emissions Reduction Targets

In accordance with PPN 006/25 and the Science Based Targets initiative (SBTi) standards, **RB Architectural Hardware Limited** is committed to achieving Net Zero by 2050 at the latest. We have aligned our reduction pathway with the 1.5°C climate ambition, ensuring our transition is supported by rigorous, science-based methodologies.

- **Near-Term Target (2030)**

**RB Architectural Hardware Limited** commits to reducing absolute Scope 1 and Scope 2 GHG emissions by **42% by 2030** from a 2025/26 baseline year. Having already achieved a 100% reduction in market-based Scope 2 emissions (**0 tCO<sub>2</sub>e**) through the use of renewable energy, our near-term focus will remain on maintaining this zero-carbon supply and addressing any future direct Scope 1 impacts.

Although not currently mandated under the SME streamlined route for near-term validation, we further commit to measuring and reducing our Scope 3 emissions. We are targeting a **minimum 25%**

**reduction** across our primary value chain categories—including Business Travel, Employee Commuting, and Logistics—within the same timeframe.

• **Long-Term Target (Net Zero 2050)**

We commit to reaching Net Zero greenhouse gas emissions across the entire value chain by 2050. This involves:

- **Deep Decarbonisation:** Reducing absolute Scope 1, 2, and 3 emissions by 90% by 2050 from the baseline year.
- **Residual Neutralisation:** Neutralising any residual emissions (the final 10% or less) through high-quality, permanent carbon removals as per SBTi Corporate Net-Zero Standards.
- **Operational Excellence:** Leveraging our ISO frameworks to ensure data-driven environmental management and maintaining high efficiency across our sourcing and supply chain.

• **Our Top Carbon Emissions Factors**

The following table identifies the primary contributors to the baseline footprint for **RB Architectural Hardware Limited**. All figures are expressed in **tCO2e** based on the 2025/26 baseline reporting period.

Category	Emission Source	Emissions (tCO2e)
<b>Business Travel</b>	Road, Rail, & Hotel Stays (Scope 3)	<b>13.36<sup>1</sup></b>
<b>Workforce Mobility</b>	Employee Commuting & Homeworking (Scope 3)	<b>11.42<sup>2</sup></b>
<b>Logistics &amp; Utilities</b>	Upstream Courier, Water, & Waste (Scope 3)	<b>2.89<sup>3</sup></b>
<b>Purchased Energy</b>	Office Electricity - Market Based (Scope 2)	<b>0.00<sup>4</sup></b>
<b>Direct Fuel</b>	Natural Gas Heating (Scope 1)	<b>0.00</b>
<b>TOTAL</b>	<b>Baseline Market-Based Total</b>	<b>29.57</b>

<sup>1</sup> **Business Travel:** Includes 12.98 for road travel, 0.146 for rail, and 0.23 (London) / 1.882 (UK-wide) for hotel stays.

<sup>2</sup> **Workforce Mobility:** Includes 7.625 for staff commuting and 3.793 for homeworking (based on 50 staff).

<sup>3</sup> **Logistics & Utilities:** Includes 2.245 for courier logistics, 0.629 for water/wastewater, and 0.02 for operational waste.

<sup>4</sup> **Purchased Energy:** Scope 2 emissions are zeroed via 100% renewable procurement (148,074.90 kWh).

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## ● Emissions Hotspots

Our initial assessment has identified three critical "Emissions Hotspots" where decarbonisation efforts will be most impactful:

1. **Business Logistics & Travel:** With **12.98 tCO<sub>2</sub>e** generated from over 48,000 miles of road travel and significant courier requirements for hardware delivery, this represents our largest footprint. We are prioritising a review of our logistics partners and transition to electric vehicle (EV) alternatives.
2. **The Distributed Workforce:** While our primary electricity is 100% renewable, our "distributed office"—the energy used by remote staff and the **28,392 miles** of staff commuting—contributes **11.42 tCO<sub>2</sub>e**. We will focus on sustainable commuting incentives and green home-energy guidance.
3. **Supply Chain Subsistence:** Hotel stays for project oversight and client meetings across London and the UK contribute over **2.1 tCO<sub>2</sub>e**. We are implementing a sustainable travel policy that prioritises rail travel and eco-certified accommodation.

We commit to reaching Net Zero greenhouse gas emissions across the entire value chain by **2050**. This involves:

- **Deep Decarbonisation:** Reducing absolute Scope 1, 2, and 3 emissions by 90% by 2050 from the baseline year.
- **Residual Neutralisation:** Neutralising any residual emissions (the final 10% or less) through high-quality, permanent carbon removals as per SBTi Corporate Net-Zero Standards.
- **Operational Excellence:** Continuous improvement of our facility's efficiency (currently EPC Rating B) and leveraging our ISO 9001/27001 frameworks to ensure data-driven environmental management.

## 6. Carbon Reduction Initiatives

To achieve our SBTi-aligned near-term and long-term targets, **RB Architectural Hardware Limited** has developed a strategic roadmap focused on our primary emissions hotspots. These initiatives are designed to decouple our business growth from our carbon footprint while maintaining the premium quality and durability of our architectural solutions.

### • Sustainable Procurement & Supply Chain

As a specialist in high-specification fittings and bespoke hardware, we are prioritising the "greening" of our physical supply chain:

- **Supplier Engagement:** We are introducing a "Sustainable Supplier Code of Conduct," prioritising manufacturers and foundries that hold environmental certifications (such as ISO 14001) or have established Carbon Reduction Plans.
- **Activity-Based Tracking:** Moving beyond simple estimates, we will leverage our ISO 9001 frameworks to collect more granular data from our primary hardware suppliers to better understand the embodied carbon in our product range.
- **Circular Economy:** We will promote "Circular First" principles by sourcing durable, high-quality materials (such as solid brass and stainless steel) that offer longevity, reducing the need for frequent replacements and minimising long-term waste.

### • Logistics & Distribution Efficiency

With logistics and courier services contributing **2.245 tCO<sub>2</sub>e** to our baseline, we are optimising how our products reach project sites:

- **Route & Batch Optimisation:** We will work with our courier partners to consolidate shipments and optimise delivery routes, reducing the frequency of individual "last-mile" deliveries.
- **Green Logistics:** We are prioritising logistics providers who utilise electric delivery vehicles (EVs) for urban distributions, particularly within our core Liverpool and North West service areas.
- **Plastic-Free Packaging:** We are transitioning to 100% recyclable, plastic-free packaging for all hardware components to further reduce our upstream waste impact.

### • Low-Carbon Operations & Travel

While our electricity is already 100% renewable (zeroing our Scope 2 market-based emissions), we are addressing the **13.36 tCO<sub>2</sub>e** generated by business travel and subsistence:

- **Travel Hierarchy:** We are implementing a formal travel hierarchy that prioritises virtual project consultations where possible. For essential site visits, we encourage the use of rail over private vehicle use, specifically targeting a reduction in our **48,330 annual business miles**.
- **Commuting & Hybrid Work:** We will launch an internal awareness campaign to help our staff reduce their homeworking energy footprint (currently **3.793 tCO2e**) and promote sustainable commuting options for our office-based team.
- **Sustainable Subsistence:** When site stays are required, our policy now prioritises eco-certified hotels to reduce the carbon impact of our UK-wide overnight stays

## 7. Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard and is a work in progress as data is currently being collated to one central system.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors (or equivalent management body).

**Signed:** .....

**Name:** .....

**Position:** .....

**Date:** .....