

## **Memo: Sellafield Limited**

Date: 2026-01-05

### **1. Executive Summary**

A forensic screen of open public procurement data identified the contract 'Projects and Asset Care Execution (PACE)' as a Critical Carbon Priority.

Based on the contract value (£3,600,000,000.00) and detected material profile (General Civil Blend (Synthetic)), we estimate the embodied carbon risk to be approximately 2,480,000 tonnes CO<sub>2</sub>e.

### **2. Forensic Calculation Method**

Methodology: High-fidelity screening using industry composite rates (SPONS 2024) and emission factors (ICE V4.1 / DEFRA 2025).

- A. Contract Value: £3,600,000,000.00
- B. Composite Rate: £45.00 per tonne (Installed)
- C. Est. Quantity: 80,000,000 tonnes (General Civil Blend (Synthetic))
- D. Emission Factor: 31.00 kgCO<sub>2</sub>e/tonne (PROXY\_Synthetic\_Mix\_40Earth\_30Agg\_30Struct)

CALCULATION: (80,000,000 tonnes × 31.00 kg/t) / 1000 = 2,480,000.00 tonnes CO<sub>2</sub>e

### **3. Mitigation Opportunities**

Standard interventions for this material profile:

- Request verified Environmental Product Declarations (EPDs).

*DISCLAIMER: This is a screening-level estimate derived from open procurement data. Quantities are inferred using heuristic models and do not replace a Bill of Quantities. For prioritisation purposes only.*