

## **Memo: NHS Commercial Solution**

Date: 2026-01-05

### **1. Executive Summary**

A forensic screen of open public procurement data identified the contract 'Sustainable Estates Solutions Framework Agreement' as a Critical Carbon Priority.

Based on the contract value (£2,000,000,000.00) and detected material profile (General Civil Blend (Synthetic)), we estimate the embodied carbon risk to be approximately 1,377,778 tonnes CO2e.

### **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: £2,000,000,000.00
- B. Composite Rate: £45.00 per tonne (Installed)
- C. Est. Quantity: 44,444,444 tonnes (General Civil Blend (Synthetic))
- D. Emission Factor: 31.00 kgCO2e/tonne (PROXY\_Synthetic\_Mix\_40Earth\_30Agg\_30Struct)

CALCULATION:  $(44,444,444 \text{ tonnes} * 31.00 \text{ kg/t}) / 1000 = 1,377,777.78 \text{ tonnes CO2e}$

### **3. Mitigation Opportunities**

Standard interventions for this material profile:

- Request Environmental Product Declarations (EPDs) from Tier 1 suppliers.

*DISCLAIMER: This report is a screening estimate based on open data (Contracts Finder). It applies heuristic modeling to estimate quantities and does not replace a Bill of Quantities. Intended for internal prioritization use only.*