



## CARBON FOOTPRINT REPORT – FABRICATOR

**Company** : Capital Reinforcing Ltd.  
**Production location** : Capital House, Unit 1 Bromborough Pool Business Park,  
Prices Way, Bromborough, Wirral, CH62 4LP, UK  
**Data collection period** : 01/01/2023 - 31/12/2023  
**CARES SCS Certificate Number** : 1430

### INTRODUCTION

This report provides a summary of the carbon footprint assessment results for the production of construction steel forms at the location given above.

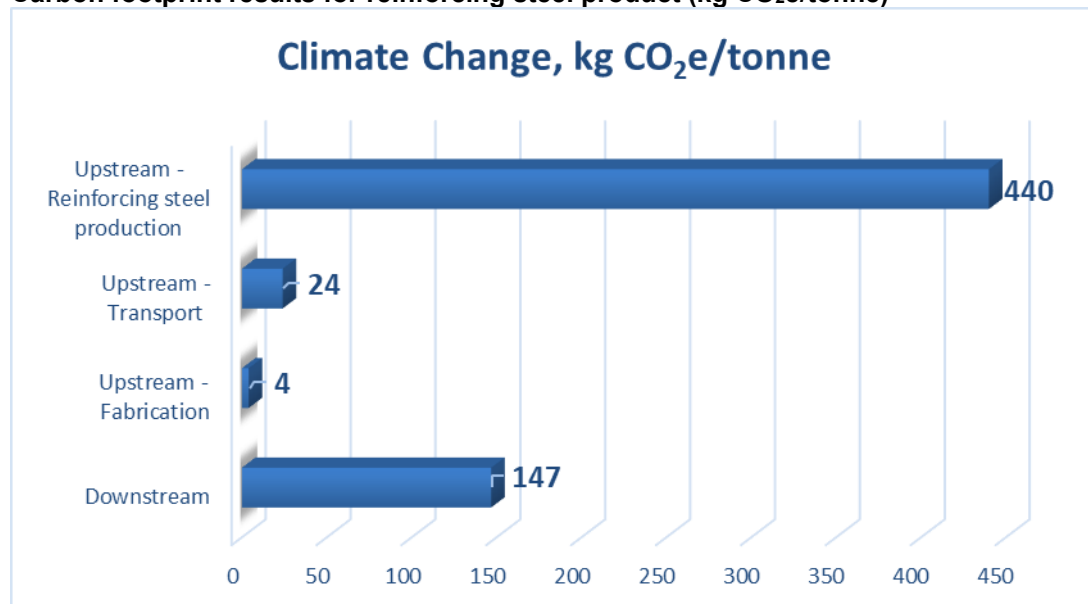
The results are reported for 1 tonne of reinforcing steel as installed in a building based on data provided by the company in a data collection questionnaire and verified by CARES. The whole life cycle of the product has been assessed.

### Methodology:

This carbon footprint report is calculated based on calculation rules specified in Product Category Rules for Type III environmental product declaration of construction products to EN 15804:2012+A2:2019 by BRE Global Ltd, as used in CARES' EN 15804 compliant EPD Scheme.

### RESULTS

**Carbon footprint results for reinforcing steel product (kg CO<sub>2</sub>e/tonne)**



Impact Category	Upstream				Downstream
	Reinforcing steel production	Transport to Fabricator	Fabrication	Total at Factory Gate	
Climate Change, kg CO <sub>2</sub> e/tonne	440	24	4	468	147



## **EXPLANATION OF TERMS**

### **UPSTREAM**

The scope of the life cycle assessment of the upstream covers the transportation of steelmaking raw materials to the producers, production of steel billet and hot rolled reinforcing steel products in bar and/or in coil, transportation of reinforcing steel products to the fabricator and fabrication into construction steel forms.

All reinforcing steel product suppliers hold a valid CARES Product Certificate of Approval and are fully traceable to the cast number. The producers' product, manufacturing site, and manufacturing process specific carbon footprint data are considered in the calculation of the upstream carbon footprint. If the availability of the producer specific carbon footprint data is limited, then CARES Sector Average verified EPD is used.

Reinforcing steel products by weight is from 'Scrap / Electric Arc Furnace' manufacturing route and contains 96.6% of recycled materials.

### **DOWNSTREAM**

The scope of the life cycle assessment of the downstream covers the installation of construction steel forms into the building, demolition of the building at the end of its useful life and finally end of life of the recovered steel forms. However, certain aspects of this scope are beyond the direct remit of construction steel form fabricators. The term "Downstream" refers to these aspects and includes impacts from installation, demolition and recovery efforts, as well as associated transport where applicable.

----- End of report -----

## **Disclaimer**

This document, designed to promote consistency in carbon footprint reporting in the reinforcing steel sector, has been developed through a multi-stakeholder consultative process involving representatives of building/civil engineering construction designers, specifiers, producers, processors, clients and report-users from around the world. While CARES encourages the use of the carbon footprint tool by all approved firms, the preparation and publication of reports based fully or partially on the carbon footprint tool is the full responsibility of those producing them. Neither CARES and thinkstep nor other individuals who contributed to this methodology assume responsibility for any consequences or damages resulting directly or indirectly from its use in the preparation of reports or the use of reports based on the carbon footprint tool.