

Environment Insight – Carbon Footprint

Introduction

The present Environmental Insight aims to provide some details on the calculation of Scope 1 and 2 CO₂ emissions of Thermocast (carbon footprint). It is based on our Environmental Policy.

Why is CO₂ relevant among environmental material impacts?

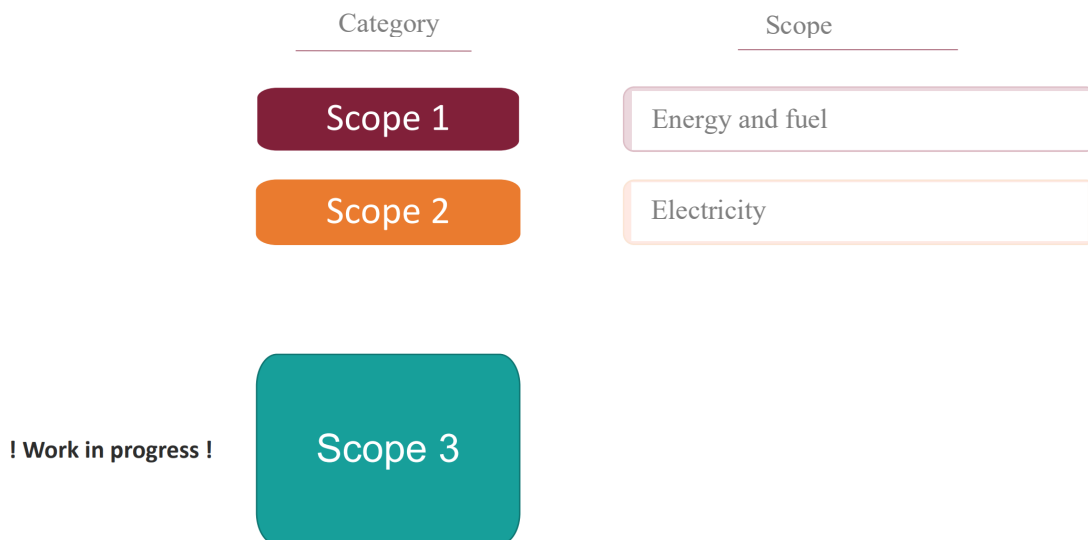
- Impact on society and the environment: During the production phase, the impact is related to CO₂ emissions into the atmosphere; during the product's life, there are no CO₂ emissions; at the end of our products' life, the impact is positive and related to the possibility of recovering and recycling raw materials.
- Financial impact on Thermocast: if we are able to provide the market with low carbon intensity products, this would have a huge financial advantage; otherwise, it could cause us to lose market share.
- Importance for stakeholders: for our customers, having the opportunity to purchase products with recycled content and low CO₂ emissions is becoming increasingly important. In addition, both legislation and new generations expect companies to achieve carbon neutrality.

CO₂ Scope 1 e 2 emissions data

Thermocast's production facility, located in Caravaggio (BG), is cutting-edge in terms of machinery and plant equipment, consisting of induction melting furnaces, horizontal centrifuges, furfuryl resin molding lines, green molding machines, shell molding, and a fully equipped workshop. Furthermore, Thermocast S.p.A. has operational control of the OMR mechanical workshop.

For the first time, in 2025, Thermocast calculated its emissions, thanks to a third party.

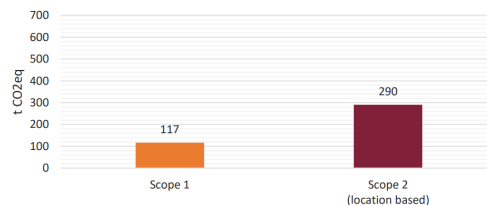
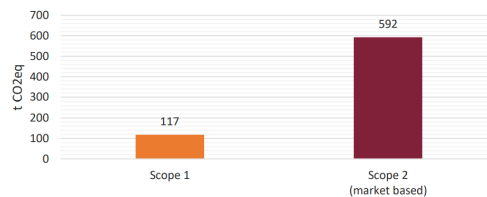
Reporting boundaries

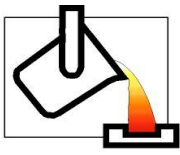


GHG Inventory

| Scope 1 | Scope 2 <u>Market Based</u> | Total <u>Market Based</u> |
|------------------------|--------------------------------|------------------------------|
| [t CO ₂ eq] | [t CO ₂ eq] | [t CO ₂ eq] |
| 117 | 592 | 709 |

| Scope 1 | Scope 2 <u>Location Based</u> | Total <u>Location Based</u> |
|------------------------|----------------------------------|--------------------------------|
| [t CO ₂ eq] | [t CO ₂ eq] | [t CO ₂ eq] |
| 117 | 290 | 407 |





THERMOCAST S.p.A.
FUSIONI IN ACCIAIO INOX RESISTENTI AL CALORE

Main comments

The total carbon footprint of the Caravaggio plant for the 2024 data is 709 t CO₂eq.

- The most significant contribution comes from Scope 2 emissions due to emissions related to electricity consumption.
- The main contribution of Scope 1 emissions comes from direct emissions from stationary combustion related to natural gas consumption.

Next steps (by 2025)

- 1) The preliminary analysis of the Carbon Footprint of Thermocast has been carried out considering the operational control approach to define the organizational boundaries. The reference year and the base year coincide with 2024. The organizational boundaries include the plants in Caravaggio (BG) and OMR. Currently, the conclusions and the analysis have evaluated only the Caravaggio plant. The OMR workshop will be included in the results, which will be published shortly.
- 2) Disclosure of CO₂ Scope 3 emissions.
- 3) Disclosure of our first Decarbonization Plan of Thermocast, with levers to reduce CO₂ Scope 1, 2, 3 emissions.

Caravaggio, June 2025