

# PRODUCT CARBON FOOTPRINT



## GWP

This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

## CARBON FOOTPRINT

<b>Declared unit</b>	<b>1 m<sup>3</sup></b>
<b>Mass of declared unit (kg)</b>	<b>2351</b>
<b>GWP-fossil, A1-A3 (kg CO<sub>2</sub>e)</b>	<b>1,66E+02</b>
<b>GWP-total, A1-A3 (kg CO<sub>2</sub>e)</b>	<b>1,66E+02</b>

## STANDARDS

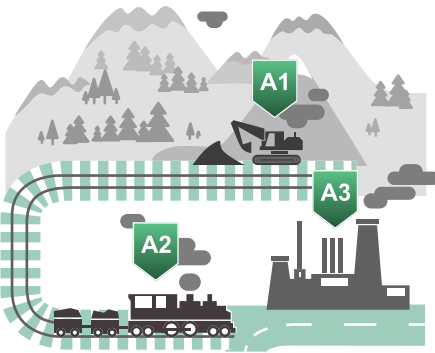
These are ISO 14021 self-declared results, calculated according to ISO 14040 and ISO 14044 standards. The results follow ISO 21930/EN 15804+A2.

## MANUFACTURER AND PRODUCT

Manufacturer	Frischbeton Handwerker-Cooperation Lohne (
Address	Brägeler Pickerweg 3, 49393 Lohne
Website	https://www.frischbeton-lohne.de
Product name	Rezept 153338
Product reference	
Place of production	Brägeler Pickerweg 3, 49393 Lohne
Period for data	2023

## SCOPE OF ASSESSMENT

The results have a cradle-to-gate scope, comprising raw materials extraction and supply (A1), transport (A2) and manufacturing (A3).



## PRODUCT DESCRIPTION

Ready-mixed concrete consists of cement, aggregates, admixtures and water which is used for civil, industrial and agricultural constructions. The company Frischbeton Lohne uses CEM III/A and secondary materials as filler for the approach of reducing the CO<sub>2</sub> footprint. The recipe used for the LCA has a compressive strength class of C25/30.

## SYSTEM BOUNDARY

Product stage			Construction		Use stage							End of life stage				Beyond the system boundary		
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	D	D
X	X	X						Modules not declared										
Raw materials	Transport to site	Manufacturing	Transport	Construction	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy	Operational water	Deconstruction	Transport	Waste processing	Disposal	Reuse	Recovery	Recycling