

Hi!

If you are reading this, you have most likely scanned the QR code on the handout at the Heidelberger Kunstverein and you are looking at *How to kill a tree*. With this work I'd like to invite you to think about an ubiquitous material: cement. Thank you for your interest.

Cement, which manifests itself in my mind as concrete is literally everywhere, which makes it hard to notice its presence at all. There's a saying in German, which translates to there are so many trees you can't see the forest. 8% of all carbon dioxide in the world comes from producing concrete. In comparison the worldwide carbon dioxide that comes from air traffic is *only* 2,8%. With this in mind I inevitably thought about my own carbon dioxide emissions, especially those I was about to make.

The little comma shaped mark right here shows a fossil.
And the line you see above in this lime stone thin section shows a natural cementation.

This line shows a natural cementation.

I've reached out to Technische Universität Berlin to calculate each exhibited piece. But this process takes much longer. The question too is what am I considering for this calculation? Only where I had to travel and how to produce the various pieces? Or shouldn't I also think of where and how my camera model was made and the printer I'm printing on and the energy used for all of that from charging my batteries, to the energy used to manufacture my camera to the energy used to heat my apartment. You see there are many variables.

In the following pages I will share the various informations I have collected to calculate my work's CO2 footprint.

And while you are looking, I'd like to warmly invite you to also listen to Radio Utopistans newest episode with architect Angelika Hinterbrandner on alternative building, housing and thinking. This episode came about because since the beginning of my research I have constantly exchanged thoughts with my dearest friend Elisabeth Weydt of Radio Utopistan. We even hosted an event with Angelika Hinterbrandner and Van Bo Le-Mentzel at Heidelberger Kunstverein back in November 2021 and collected utopias on cement, which also can be read in the previous link. I love when these entanglements happen.

This is a work in process, there will be changes from time to time.

I will start with some basics:

I live in an unrenovated apartment building built in 1900. It's **74 m²** and I share it with my partner and my child.

My primary camera is a Fuji GFX 50S, bought on January 15th 2018. Since then I have taken **32521** photographs (image count from March 9th 2022).

For this project I have additionally shot **6** 4x5inch color photographs. I drove 20km by car to drop and pick up the negatives.

I have printed a total **20,65 m²** on Tecco PM230 paper.

8,28 m² on a transparent paper (I can't find out its name).

1,33 m² on Hahnemühle Fine Art Pearl.

All prints are printed on an Epson Stylus Pro 11880.

All prints except 1* were made in Kreuzberg Berlin. 4 ways were made by car, which are about **24km**. And 3 ways by bike around **15km**.

*One print was made through the Biennale team, I don't know where and how.

I have only reused materials (cardboard and plastic bubble wrap) I already had at home to pack my art works.

The works have been picked up by an art handling company with a large truck and brought to Cologne first before they were moved into a different truck to be delivered to Heidelberg. I don't know if they will travel back to me on the same route, which makes about **835km** and about **92,69kg** CO₂

Calculation so far of my CO₂ total of travel alone for this project is already at **2,042t** (by car 0,479t, by train 0,054t, by plane 1,509t). Please see the following table.

		Address	Car - if not stated differently VW Polo from 2006 138g CO2 per person and km
Limestone on shelf		Kalksteinbruch, 15558 Rüdersdorf	85,8km
Framed hanging piece		Bulevardul Iuliu Maniu 22, Bucureşti 061107, Romania	3'100 km by plane CO2 0.584 t
Hanging piece		FU Berlin, Emmichstraße 8, 12249 Berlin	5x 22,2km
Framed leaning piece		Hermann-Küster-Straße 41, 65931 Frankfurt	Part of one roundtrip with a total of 3009km
Grid	from top to bottom left to right		
1. Row		Via Valle Verzasca, 6596 Gordola, Switzerland	Part of one roundtrip with a total of 3009km
		Reinhardt's Brunner Str., 10365 Berlin	17,2km
		Bürgerstraße 4, 12347 Berlin	As part of a larger trip 100km
		HeidelbergCement Steinbruch, 69226 Nußloch	498km by train plus 32,6km car within Köln + 32,7km + 11,8km
		Parkring 35, 68159 Mannheim	498km by train plus 32,6km car within Köln + 32,7km + 11,8km

2. Row



Bahnhofstraße 20,
50999 Köln

1178km by train



HeidelbergCement,
Königs Wusterhausen

69,4km one trip to the
factory



Carrer de la Concòrdia
67, 08004 Barcelona,
Spain

2300km by plane
CO2 0.925t



HeidelbergCement,
Königs Wusterhausen

69,4km one trip to the
factory



HeidelbergCement,
Königs Wusterhausen

69,4km one trip to the
factory

3. Row



Reinhardsbrunner Str.,
10365 Berlin

69,4km one trip to the
factory



Sürther Hauptstraße 73,
50999 Köln

1178km by train



Verzasca Dam,
6596 Gordola,
Switzerland

Part of one roundtrip
with a total of 3009km



Carrer de la França Xica
35, 08004 Barcelona,
Spain

2300km by plane
CO2 0.925t



HeidelbergCement,
Königs Wusterhausen

69,4km one trip to the
factory

4. Row		Karl Marx Str. 100, 12043 Berlin	1,5km by bike
		HeidelbergCement, Königs Wusterhausen	69,4km one trip to the factory
		Goldbach 27, 33602 Bielefeld	1178km by train
		HeidelbergCement, Königs Wusterhausen	69,4km one trip to the factory
5. Row		Via Locarno 111, 6516 Cugnasco, Switzerland	Part of one roundtrip with a total of 3009km
		2 Ganne, 6634 Brione, Switzerland	Part of one roundtrip with a total of 3009km
		Gocher Str. 36, 50733 Köln	1178km by train
		Sürther Hauptstraße 69, 50999 Köln	1178km by train
		Teatre Grec, 08038 Barcelona, Spain	2300km by plane CO2 0.925t

This limestone probe is filled with fossils.
 It is taken from the open pit mine in Rüdersdorf, operated by Cemex.
 The type of limestone needed in cement production needs is very homogenous.