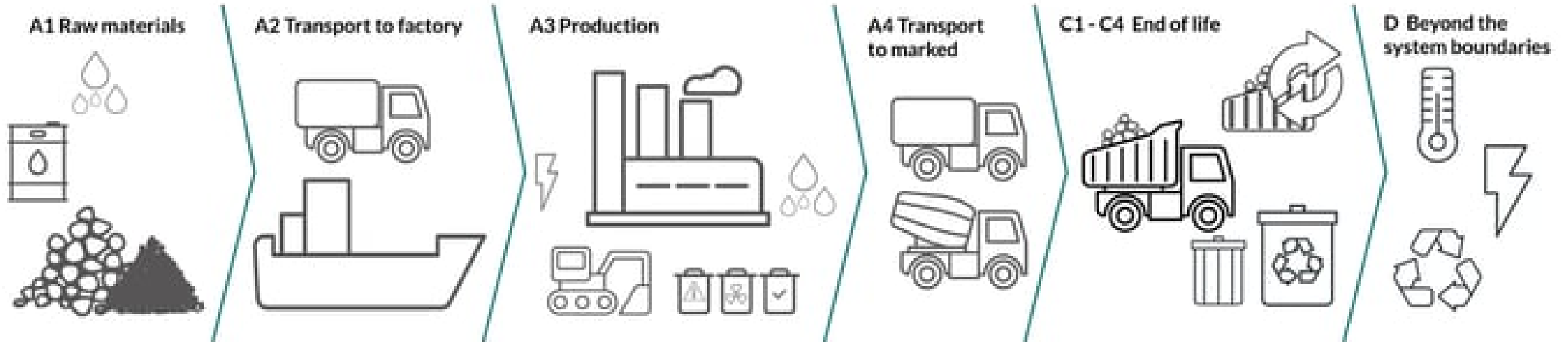


Test EPD – Ready made concrete



EPD Test – Concrete mix m³

[Use the data pre made Data collection template to make an EPD for i m³ concrete.](#)

Declared unit = m³ = 2332 kg

Madatory modules = A1 –A4, C and D

Place of production (address)	Location	Marked	Comments
Demo Company	Oslo	Local	50km

Raw materials A1 + transport A2

Raw material used in production	Amount (kg)	Material wastage (%) (A1 factor(%)= A3 waste (kg))	Supplier (optional)	Supplier location (country)	Type of transport(from supplier to you)	Transportation distance [km]	Comments
Aggregate, coarse	800	7	Stone company	Fredrikstad	Truck, 16-32 tonnes	100	
Sand, Natural	1000	7	Stone company 2	Gardemoen	Truck, 16-32 tonnes	42	
Cement, CEM II/B, alternative constituents 21-35%	350	7	Cement company	Riga	Truck, 16-32 tonnes, and ferry	Road: 724 + Ferry: 282	The port of departure and arrival could be smart to add as general information for your own sake.
Water	180	7	Local				
Admixture, Superplasticiser	2	7	Store	Berlin	Truck, 16-32 tonnes	1363	
total weight incl. Packaging (kg)	2332						

EPD Test – Concrete mix m³

A3 Energy, waste and auxiliary materials for i DU

Product	Annual production	Unit	Comment
Concrete	300 500	m ³	
TOTAL	300 500	m³	total production year 2022
CALCULATED			
Factory 1	Annual consumption	Unit	Consumption per production Unit
Electricity	450750	kWh	1.5 kWh/m ³
Diesel	189315	L	0.63 L/m ³
Waste, municipal solid waste, to average treatment	264440	kg	0.88 kg/m ³
Waste, hazardous waste, to average treatment	901.5	kg	0.003 kg/m ³
Concrete sludge	28848000	kg	96 kg/m ³
Residual concrete	21636000	kg	72 kg/m ³

A4 Transport to local marked

Place of production (address)	Location	Marked	Comments
Demo Company	Oslo	Local	50km

EPD Test – Concrete mix m³

C1 Demolition

The modules after A1 - A3 are based on calculation scenarios for what one assumes the product is used for. Scenarios are usually based on the most common uses, but there are also PCRs that declare different imaginable scenarios.

Select default scenario from dropdown list and enter total weight for the declared unit for “quantity”.

Add

Type *

Material list

Process *

Demolition of building per kg of cement-based product, C1 (kg)

C2 Transport to waste facility

In C2, transport type and transportation distance are selected for transport to a facility where the declared product is treated for final disposal and/or material/energy recovery.

Ad an average distance from the deconstruction site to the waste processing facility.