





# Product

## Product description:

Carbon dioxide-reduced and binder-optimized concrete free from non renewable natural sand resource. Package consists of polyethylene made from recycled polyethylene and polyethylene made from renewable raw material originating from sugar cane.

## Product specification:

Composition of the product is described in the table below

Materials	KG	%
Cement		10-25
Crushed aggregate		75-100
Packaging		<1

## Technical data:

Betongklass C28/35

Exposure class XC2/XF1

For information see [www.finja.se](http://www.finja.se)

## Market:

Nordic countries

## Reference service life, product:

100 years

# LCA: Calculation rules

## Declared unit:

1 kg Grovbetong ECO, Dry Mortar mix, in sack

## Data quality:

Specific data for the production and product composition was provided by the manufacturer. Background data is based on registered EPDs as well as generic data. The data quality for the raw materials in A1 is presented in the table below.

Materials	Data quality	Source	Year
Cement	EPD	Supplier	2021
Crushed aggregate	Industry data	Ecoinvent v3.8	
Packaging	Industry data	Ecoinvent v3.8	





















## Hazardous substances

The declaration is based upon reference to threshold values and/or test results and/or material safety data sheets provided to EPD verifiers. Documentation available upon request to EPD owner.





- The product contains no substances given by the REACH Candidate list or the Norwegian priority list.
- The product contains substances given by the REACH Candidate list or the Norwegian priority list that are less than 0,1 % by weight.
- The product contain dangerous substances, more then 0,1% by weight, given by the REACH Candidate List or the Norwegian Priority list, see table.
- The product contains no substances given by the REACH Candidate list or the Norwegian priority list. The product is classified as hazardous waste (Avfallsforskiten, Annex III), see table.

## Indoor environment

The product meets the requirements for low emissions.

## Bibliography

ISO 14025:2010	Environmental labels and declarations - Type III environmental declarations - Principles and procedures
ISO 14044:2006	Environmental management - Life cycle assessment - Requirements and guidelines
EN 15804:2012+A2:2019	Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products
ISO 21930:2007	Sustainability in building construction - Environmental declaration of building products
SS-EN 16757:2017	Hållbarhet hos byggnadsverk – miljövarudeklarationer – Produktspecifika regler för betong och förtillverkade betongprodukter
Domhagen, Bergström	LCA Report Finja Grovbetong ECO and Grovbetong – 2022-04-29. WSP.

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