

CLIMATE DECLARATION FOR AGGREGATES FROM ÖSTERSUND QUARRY - LJUSBERGET

Functional unit: 1000 kg of aggregates

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804.



Information about the product

The products declared are aggregates manufactured by NCC Industry, Division Stone Materials. The declared site is Ljusberget in Östersund, a small-sized crushing site with mobile plants owned by NCC Industry in Sweden.

In 2020, 35 000 tonnes of aggregates were produced at the site (product list in Table 1). The declared products are intended to be used as, e.g. asphalt and as filling material in civil engineering.

Information about the company

NCC is one of the leading construction and property development companies in the Nordic region, with sales of 54 billion SEK and approximately 14 500 employees in 2020. With the Nordic region as its home market, NCC is active throughout the value chain – developing commercial properties and constructing housing, offices, industrial facilities and public buildings, roads, civil engineering structures and other types of infrastructure. NCC also offers input materials used in construction and accounts for paving and road services.

Climate declaration A1-A3

The table below lists the emissions of greenhouse gases A1-A3 for the product in kg CO₂ eq. per 1000 kg aggregate.

Impact category	0/125	0/32 separated, 0/16 separated, 0/90	0/4, 4/8, 0/11, 8/11, 0/16, 8/16, 11/16, 0/32, 16/32
GWP - Total	1.8	2.6	3.5
GWP – Fossil	1.8	2.6	3.5
GWP – Biogenic*	0	0	0
GWP – Luluc	8.5E-04	9.7E-04	1.1E-03
GWP – GHG**	1.7	2.6	3.4

*This indicator is set to zero, due to inconsistencies in the dataset used delivered by Sphera. Though, net result over the life cycle is zero since carbon uptake and emission is zero during a life-cycle. ** The default value to use in the Swedish Transport Administration's tool Klimatkalkyl is 4.0 kg per tonne aggregates (Trafikverket, 2021)

Other environmental impacts

For the full EPD, see www.environdec.com.

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-05220	VALIDITY: 2026-12-15
PCR: 2019:14 V.1.11	UN CPC: 15330	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EPD PROCESS CERTIFICATION BY BUREAU VERITAS		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
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