

CLIMATE DECLARATION FOR AGGREGATES FROM COPENHAGEN, TERMINAL FOR MARINE AGGREGATES - AVEDØRE

Declared 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 an LCA performed as basis for an EPD, in accordance with ISO 14025 and EN 15804.



Information about the product

The aggregates declared in this EPD are produced at Copenhagen, terminal for marine aggregates – Avedøre owned by NCC Industry AB in Hvidovre, Denmark. The aggregates declared in this EPD consist of dredged stone, gravel and sand in various forms; from coarser fractions such as NCC Drænstabil, to finer fractions like Washed sand used for e.g. filling material in civil engineering and construction projects, railway macadam and as bulk material in concrete and asphalt.

Information about the company

NCC is one of the leading construction and property development companies in the Nordic region, with sales of 5,5 billion Euro and approximately 15 300 employees in 2019. 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 different product groups in kg CO₂ eq. per 1000 kg of product.

	Product group 1	Product group 2	Product group 3	Product group 4	Product group 5	Product group 6
GWP-fossil*	2.1	2.6	2.9	3.3	3.6	3.7
GWP-biogenic**	0**	0**	0**	0**	0**	0**
GWP-LULUC*	1.3E-4	1.5E-4	1.7E-4	2.2E-4	2.4E-4	4.3E-4
GWP-total	2.1	2.6	2.9	3.3	3.6	3.7
Product group 1	Filling sand 0/8					
Product group 2	Subbase gravel 0/8 kv.I					
Product group 3	Cable sand 0/4, Subbase gravvel 0/20 kv. II, Mortar/Plaster gravel 0/4, De-icing sand 0/4					
Product group 4	Concrete sand 0/4 kl. P/E, Concrete sand 0/4 Metro, Sandbox sand, Washed sand 0/2, Pebbles 16/25 kl. P, Concrete gravel 0/8, Filler sand					
Product group 5	Pebble 2/8 kl. P/M, Pebble 8/16 kl.P/M, Casting mix 0/16, Casting mix 0/25					
Product group 6	NCC Draenstabil, Rock fines 0/4					

*This is additional information that is not required in the standard. Only the total GWP100 is compulsory to report.

** 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.

Other environmental impacts

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

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INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EPD PROCESS CERTIFICATION BY BUREAU VERITAS			ACCREDITED / APPROVED BY: SWEDAC
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