

CLIMATE DECLARATION FOR AGGREGATES FROM KRAGERØ QUARRY – VALBERG

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 the stationary crushing plant Valberg owned by NCC Industry AB in Kragerø, Norway. The aggregates declared in the EPD mainly consist of hyperit and are produced in various fractions; from blasted rock to finely crushed 0/2 mm material used for e.g. filling material in civil engineering and construction projects, Armour Stone 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 5.4 billion Euro 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 service.

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-total	0.52	2.1	1.9	2.5	3.1	1.9
GWP-fossil	0.52	2.1	1.9	2.5	3.1	1.9
GWP-biogenic*	0	0	0	0	0	0
GWP-LULUC	4.8E-04	7.1E-04	6.8E-04	7.7E-04	8.4E-04	6.9E-04
GWP-GHG**	0.52	2.1	1.9	2.5	3.1	1.9
Product group 1	All-In Rock unspecified, 0/300					
Product group 2	0/16, 0/32, 0/45, 0/11, 11/32, 16/32, 32/250, 0/16, 0/32 T1, 0/32 STS, 0/45 STS, 0/45					
Product group 3	32/50, 0/5					
Product group 4	2/5, 5/8, 8/16, 8/11, 16/22, 0/2					
Product group 5	80/200, 5/40 kg, 10/60 kg, 40/200 kg, 60/300 kg, HMA + HMB 1000/3000 kg, HMA + HMB 3000/6000, HMA + HMB 6000/10000, 3-9 INCH					
Product group 6	Machine Sand 0/2					

*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.

***GWP – total** but excluding "biogenic"

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: THE INTERNATIONAL EPD SYSTEM
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