

# Climate declaration for asphalt mixtures from Skellefteå asphalt plant

## Declared Unit: 1000 kg of various Asphalt mixtures

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-equivalents. It is based on verified results from a Life Cycle Assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025, ISO 14040, ISO 14044 and EN 15804.

## Information about the product

The asphalt mixtures declared are manufactured at asphalt plant in Skellefteå, by NCC Industry, Division Asphalt in Sweden. Asphalt plants manufacture asphalt mixtures for paving purposes. The asphalt mixtures that can be produced at the declared plant are hot mix asphalt (HMA), warm mix asphalt (WMA), soft bitumen asphalt (SA) and polymer modified asphalt (PMB).

## Information about the company

NCC is one of the leading construction and property development companies in the Nordic region, with sales of about 54 billion SEK and approximately 12 500 employees in 2022. 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.

## Other environmental impacts

For the full EPD, see [www.environdec.com](http://www.environdec.com).

### Contact information

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## Climate declaration A1-A3

The table below lists the emissions of greenhouse gases A1-A3 for the product groups in kg CO<sub>2</sub> eq. per 1000 kg of asphalt mixtures.

#	Asphalt mixture	GWP – Total	GWP – Fossil	GWP – Biogenic*	GWP – LULUC	GWP – GHG
1	ABT 16 100/150 AN 7 LTA	27	27	0	0.063	26**
2	AG 22 160/220 LTA	15	15	0	0.027	15**
3	Abb 22 70/100 LTA	22	22	0	0.032	22**
4	Abb 16 100/150 LTA	22	22	0	0.032	22**
5	MJOG 16 V 6000	21	21	0	0.035	20***
6	Viacotop 11 70/100 AN 7	26	26	0	0.034	26**
7	ABT 11 100/150 LTA	17	17	0	0.027	17**
8	ABT16 100/150 LTA	18	18	0	0.028	18**
9	ABT16 100/150 AN10 LTA	23	23	0	0.033	23**
10	ABT 16 160/220 LTA	17	17	0	0.028	17**
11	ABT11 160/220 LTA	17	17	0	0.027	17**

\* 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 in the Swedish Transport Administration's tool Klimatkalkyl is 49 kg per tonne asphalt mixture (6.5% bitumen) for A1-A3 (Trafikverket, Klimatkalkyl version 7.0, 2023)

\*\*\* The default value in Klimatkalkyl is 22 kg per tonne asphalt mixture (called "halvvarm asfalt") for A1-A3 (Trafikverket, Klimatkalkyl version 7.0, 2023)

## EPD programme: The International EPD® System

Registration no:	S-P-03642	PCR review conducted by:	The technical committee of the International EPD® System
Version date:	2023-06-22	Independent verification of the declaration and data, according to ISO 14025: EPD process certification by	Bureau Veritas
Validity:	2028-06-21	Accredited:	SWEDAC
PCR:	2019:14 V.1.11	Climate declarations from different programs may not be comparable. This single-issue EPD only addresses one environmental impact category and does not assess other potential impacts arising from the provision of this product. These aspects may be of equal or greater importance than the single impact category displayed.	
UN CPC:	15330		