

# Climate declaration for asphalt mixtures from Borås asphalt plant – Ramnaslätt

## 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 and EN 15804.

## Information about the product

The asphalt mixtures declared are manufactured at asphalt plant Ramnaslätt in Borås, 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 53 billion SEK and approximately 13 000 employees in 2021. 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

NCC Industry Nordic AB,  
Herrjärva torg 4,  
170 80 Solna, Sweden  
Kristine Ek,  
kristine.ek@ncc.se  
[www.ncc.group/sustainability](http://www.ncc.group/sustainability)



## 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	ABb 16 70/100 RA30	16	16	0	0.028	16
2	ABS 11 70/100 An<7	25	25	0	0.041	24
3	ABT 11 100/150 RA20	19	19	0	0.029	19
4	ABT 11 160/220 RA20	18	18	0	0.028	18
5	ABT 11 70/100 LTA RA20	21	21	0	0.029	21
6	ABT 11 70/100 RA20	19	18	0	0.028	18
7	ABT 16 100/150 RA20	18	18	0	0.028	17
8	ABT 16 70/100 RA20	18	18	0	0.028	18
9	ABT 8 100/150 RA20	21	21	0	0.030	21
10	ABT 8 160/220 RA20	21	21	0	0.029	20
11	ABT 8 70/100 RA20	21	21	0	0.030	21
12	AG 16 100/150 Förhöjd LTA RA30	18	18	0	0.028	18
13	AG 16 100/150 LTA RA30	14	14	0	0.026	14
14	AG 16 160/220 Förhöjd RA30	15	15	0	0.027	15
15	AG 16 160/220 RA30	15	15	0	0.027	14
16	AG 22 160/220 LTA RA30	16	16	0	0.027	16
17	AG 22 160/220 RA30	13	13	0	0.026	13
18	Viacochip 16 70/100 An<7	23	23	0	0.042	23
19	Viacochip 16 70/100 An<10	23	23	0	0.042	23
20	ABS 16 70/100 An<7	25	25	0	0.042	25
21	AG 16 100/150 RA30	14	14	0	0.027	14

\* 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, 2021).

## EPD programme: The International EPD®System

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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. 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.

