

# CLIMATE DECLARATION FOR ASPHALT MIXTURES FROM STOCKHOLM ASPHALT PLANT – RIKSTEN

Declared unit: 1000 kg of asphalt mixture

The climate declaration shows the emissions of greenhouse gases, expressed as CO<sub>2</sub>-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 asphalt mixtures declared are manufactured at the asphalt plant Riksten in Stockholm 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 polymer modified bitumen (PMB), hot mix asphalt (HMA) and warm mix asphalt (WMA).

## 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 service.

## Climate declaration A1-A3

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

	ABT 11 160/220	ABT 11 160/220 Hand	ABT 11 70/100	AG 16 160/220	ABT 16 70/100
<b>GWP-total</b>	26	27	27	22	25
<b>GWP-fossil</b>	26*	27*	27*	22*	25*
<b>GWP-biogenic***</b>	0	0	0	0	0
<b>GWP-LULUC</b>	0.056	0.057	0.057	0.054	0.055
<b>GWP-GHG</b>	26	27	27	22	25
	AG 22 160/200	ABS 16 70/100	ABS 16 70/100 AN7	ABS 16 40/100- 75 AN6	ABb 16 40-100/75
23	29	41	43	55	38
23*	29*	41*	43*	55**	38**
0	0	0	0	0	0
0.056	0.062	0.15	0.15	0.16	0.061
23	29	41	43	55	38

\* 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)

\*\* There is no default value in Klimatkalkyl for this type of asphalt mixture (polymer modified bitumen based). It is however expected to give higher impacts than other asphalt mixtures.

\*\*\* 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 and other products

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