

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

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 Stockholm asphalt plant in Arlanda, 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) and polymer modified asphalt (PMB).

## Climate declaration A1-A3

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

\* 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

## 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.

## Other environmental impacts and other products

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

## Contact information

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[www.ncc.group/sustainability](http://www.ncc.group/sustainability)



	ABB 22 50/70	ABS 16 70/100 AN7	ABS 16 70/100	ABS 16 Viacobit 60 AN7	ABT 11 70/100	ABT 16 70/100	ABT 16 Viacobit 60
<b>GWP-total</b>	16	25	21	38	18	17	33
<b>GWP-fossil* **</b>	16*	25*	21*	38**	18*	17*	33**
<b>GWP-biogenic***</b>	0	0	0	0	0	0	0
<b>GWP-LULUC</b>	0.05	0.08	0.05	0.08	0.05	0.05	0.047
<b>GWP-GHG</b>	16	25	21	38	18	17	33
	AG 16 160/220	AG 22 160/220	AG 32 70/100	AGF 22 70/100 LTA	AG 22 70/100 LTA	ABT 11 100/150 LTA	AG 16 160/220 LTA
<b>GWP-total</b>	14	14	13	15	14	18	14
<b>GWP-fossil* **</b>	14*	14*	13*	15*	14*	17*	14*
<b>GWP-biogenic***</b>	0	0	0	0	0	0	0
<b>GWP-LULUC</b>	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<b>GWP-GHG</b>	14	14	13	15	14	18	14

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