

CLIMATE DECLARATION FOR ASPHALT MIXTURES FROM JÖNKÖPING ASPHALT PLANT – UBBARP

Functional unit: 1000 kg asphalt mixture

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle 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 the asphalt plant Ubbarp in Jönköping, 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 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 services.

Climate declaration A1-A3

The table below lists the emissions of greenhouse gases A1-A3 for the product in kg CO₂ eq. per 1000 kg asphalt mixture.

	Abb 16 70/100	ABS 11 70/100 AN7	ABT 11 100/150	ABT 11 160/220	ABT 11 70/100 LTA
GWP - Total	16	28	18	18	18

GWP – Fossil*		16	28	18	17	18
GWP – Biogenic**		0	0	0	0	0
GWP – Luluc		0.068	0.10	0.069	0.069	0.064
GWP – GHG		16**	28**	18**	17**	18**
ABT 11 70/100	ABT 16 100/150	ABT 16 70/100	ABT 8 100/150	ABT 8 160/220	ABT 8 70/100	AG 16 100/150 Förhöjd LTA
19	22	18	20	20	20	20
19	22	17	20	19	20	20
0	0	0	0	0	0	0
0.069	0.064	0.069	0.067	0.067	0.068	0.058
18**	21**	17**	20**	19**	20**	20**
AG 16 100/15 0 LTA	AG 16 160/220 Förhöjd	AG 16 160/220	AG 22 160/220 LTA	AG 22 160/220	Viacochip 16 70/100 An<7	
18	17	16	14	14	25	
18	17	15	14	14	25	
0	0	0	0	0	0	
0.059	0.067	0.068	0.062	0.068	0.10	
18**	17**	15**	14**	14**	25**	

* 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)

Other environmental impacts

For the full EPD, see www.environdec.com.

Contact information

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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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