

CLIMATE DECLARATION FOR ASPHALT MIXTURES FROM HALMSTAD ASPHALT PLANT – BISKOPSTORP

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

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.

Other environmental impacts

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

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* 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

GWP	ABT 11 100/150 AN10	ABT 11 70/100	ABS 16 45/80- 55 AN10	Viacochip 16 AN10	Viacochip 16 AN7	Abb 16 70/100	ABT 16 70/100 AN10	ABT 8 160/220
Total	22	17	37	22	25	14	20	19
Fossil	22	17	37	22	25	14	19	19
Biogenic*	0	0	0	0	0	0	0	0
Luluc	0.081	0.062	0.099	0.094	0.12	0.062	0.081	0.056
GHG	22**	17**	37***	22**	25**	14**	20**	19**
ABT 8 100/150	AG 16 100/150 Förh. LTA	ABT 11 70/100 AN10	ABT 11 100/150	Viacochip 16 AN12	ABT 11 100/150 Just	ABT 11 100/150 Just LTA	ABT 11 70/100 Just	ABT 11 70/100 Just LTA
18	14	20	17	18	16	15	16	16
18	14	20	17	18	16	15	16	16
0	0	0	0	0	0	0	0	0
0.060	0.056	0.079	0.061	0.056	0.062	0.056	0.061	0.055
18**	14**	20**	17**	18**	16**	15**	16**	16**
ABT 11 100/150 Hand	ABT 16 70/100 Just	AG 22 100/150 Just Light	AG 16 100/150	ABT 11 70/100 LTA	ABT 16 70/100	ABT 16 70/100 LTA	ABT 16 70/100 AN12	ABT 16 70/100 AN12 LTA
18	16	11	14	17	16	16	18	18
18	15	11	14	17	16	15	18	18
0	0	0	0	0	0	0	0	0
0.059	0.062	0.061	0.060	0.056	0.062	0.056	0.055	0.055
18**	16**	11**	14**	17**	16**	15**	18**	18**

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.

EPD PROGRAMME: THE INTERNATIONAL EPD*SYSTEM		REGISTRATION NO: S-P-03980	VALIDITY: 2026-10-21
PCR: 2019:14 V.1.11	UN CPC: 15330	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	
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