

Product	Date of compilation Jan.22				LCA data source	LCIA Method and indicators	Major Findings	Notes	Inventory data source	A1-A3	A4	A5	B	C1	C2	C3 & C4	D
	Title/ Reference	System Boundary	Geo-scope						Inventory data source	GWP							GWP kgCO <sub>2</sub> -eqv
Limtre bjelke	Standard limtre bjelke, Moelven, NEPD-1576-605	Cradle to grave, A1-C4 and D	Norway	EPD, Primary Data,	EPD 2018		Following found using EPD-Norge Digi. 1143 files online. Classification "tre", country/region "Norge" - 54 av 1143 examined, many relevant products (eg Kebony) valid only until close of 2021.	Information on the recovery of energy from burning biomass and exporting the energy produced, was obtained from "statistikk sentralbyrå (2019)". Lifetime of 60years. FU=1m <sup>3</sup> , Mass/m <sup>3</sup> = 470kg gran	Ecoinvent v3.4 and primary data for skogbruk (2010) and production (A3) in 2016	-608	10,3	1,05	X	8,68E-3	4,64E+00	C3=698, C4=0.0056	-30,7
Limtre bjelke	Prosjekt Limtre, Moelven, NEPD-1577-605	A1-C4 and D	Norway	EPD, Primary Data,	EPD 2018			Very similar EPD to the standard Limtrebjelke. FU 1m3. Note difference in installation emissions. Mass/m <sup>3</sup> =470kg	As above	-616	7,07E00	8,68E-03	X	8,68E-3	4,63E00	C3=697, C4=0.0056	-30,4
Limtre bjelke	Limtre bjelke, NEPD-2531-1274-NO, Sørølaminering AS	A1-C4 and D	Norway	EPD, Primary Data,	ReCiPe 2008	valid through 2025		Different limtre producer than Moelven, FU=1m <sup>3</sup> , Calculated as a less carbon heavy product. Mass/m <sup>3</sup> =430kg	Primary data from 2018, Skurlast from EPD, Ecoinvent v3,5	-659,00	1,12E1	8,06	X	8,81E-3	5,13E00	C3=803, C4=0.0444	-35,3
Høvella last	NEPD-2748-1441-NO, G3 Gausdal Tre, Høvella last av gran	A1-C4 and D	Norway	EPD, Primary Data,	EPD 2018	Dimensioned timber, FU1m <sup>3</sup> spruce	Burning of biomass in C3 C4 and D, FU 1m <sup>3</sup> , 467kg/m <sup>3</sup>		Raw material from 2013 paper. Primary data for production from 2019, otherwise all upstream generic data from ecoinvent v3,5	-675	9,47	3,77	X	8,81E-03	4,99	C3=739, C4=0.0367	-31
	NEPD-3282-1918, Inntre Kjeldstad, Konstruksjonvirke av gran	A1-A5, C1-C4, D	Norway	EPD, Primary Data,	EPD 2018	Dimensioned timber, FU1m <sup>3</sup> , 467kg/m <sup>3</sup> spruce	Burning of biomass in C3 C4 and D		Raw material extraction from 2013 paper, skurlast adapted from sweden, raw data from production in Norway in 2019, otherwise ecoinvent v3,7	-675	4,43	5,9	X	6,63E-03	5,01	C3=738, C4=3,72E-2	-40,1
	NEPD-2547-1284, Moelven, Høvella last av gran eller furu	A1-A5, C1-C4, D	Norway	EPD, Primary Data,	EPD 2018	Dimensioned timber, u 20% water content, FU1m <sup>3</sup> spruce 375kg/m <sup>3</sup> (or pine 435 kg/m <sup>3</sup> )			Production raw data from 2018, extraction based on 2013 paper, energy recovery from national office of statistics.	-723	13,7	7,81	X	8,81E-03	5,43	C3=804, C4=4,00E-2	-34
CLT	NEPD-2042-902, Kryskslimtre, Splitkon AS, Cross laminated timber building elements	A1-A5, C1-C4, D	Norway	EPD, Primary Data,	EPD 2018	Clt Elements, FU 1m <sup>3</sup> , 425kg/m <sup>3</sup>			Raw material extraction data from NO suppliers, otherwise relevant EPD and ecoinvent v3,4, plus Østfoldforskning database	-597	2,89	2,39E-01	X	8,38E-03	3,52	C3=697, C4=1,73E-02	-30,3
K-bjelke	NEPD-1384-455-NO, K-Bjelken in spruce, Kjeldstad Trelast As	A1-C4 and D	Norway	EPD, Primary Data,	EPD 2018	FU 1m <sup>3</sup> laminated and glued beams and studs of spruce designed to give better structural performance than dimensioned timber. Mass= 425 kg/m <sup>3</sup>	Recovery of energy through incineration in C3-4 and D		Primary data for production both of beam and glue. Otherwise data generic ecoinvent v3,3	-600	10,7	5,39	X	9,88E-03	4,64	C3=707, C4=0,0193	-30