

This appendix refers to the EPD MD-23084-EN, developed according to EN15804+A2:2019. Results in the appendix communicates LCA results in the format described in EN15804+A1:2013, in order to accommodate a need in the transition period between the two standard revisions. The appendix cannot stand alone, as the reference EPD describes the basis of the assessment.

ENVIRONMENTAL IMPACTS PER							
1 kg DS Stålsprofil Profiled Steel Sheets and Coverings – Precoated							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
GWP	[kg CO <sub>2</sub> -eq.]	2.79E+00	1.91E-05	3.73E-03	6.19E-02	1.13E-03	-1.28E+00
ODP	[kg CFC11-eq.]	4.23E-10	2.65E-17	4.44E-16	2.51E-09	1.87E-15	4.26E-12
AP	[kg SO <sub>2</sub> -eq.]	6.51E-03	1.29E-07	3.13E-06	1.22E-04	3.06E-06	-2.94E-03
EP	[kg PO <sub>4</sub> <sup>3-</sup> -eq.]	7.86E-04	2.37E-08	6.43E-07	1.47E-04	3.26E-07	-2.44E-04
POCP	[kg ethene-eq.]	6.32E-04	1.91E-08	-5.35E-08	1.50E-05	2.85E-07	-3.85E-04
ADPE	[kg Sb-eq.]	1.83E-04	2.32E-11	3.88E-10	7.37E-07	8.55E-11	2.98E-08
ADPF	[MJ]	3.49E+01	2.98E-03	4.98E-02	2.81E-01	1.65E-02	-9.99E+00
Caption	GWP = Global warming potential; ODP = Ozone depletion potential; AP = Acidification potential of soil and water; EP = Eutrophication potential; POCP = Photochemical ozone creation potential; ADPE = Abiotic depletion potential for non fossil resources; ADPF = Abiotic depletion potential for fossil resources						
	The numbers are declared in scientific notation, fx 1,95E+02. This number can also be written as: 1,95*10 <sup>2</sup> or 195, while 1,12E-11 is the same as 1,12*10 <sup>-11</sup> or 0,0000000000112.						

RESOURCE USE PER							
1 kg DS Stålsprofil Profiled Steel Sheets and Coverings – Precoated							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
PERE	[MJ]	2.56E+00	2.09E-04	3.49E-03	2.98E-02	1.40E-03	1.41E+00
PERM	[MJ]	7.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.35E+00	2.09E-04	3.49E-03	2.98E-02	1.40E-03	1.41E+00
PENRE	[MJ]	3.67E+01	3.03E-03	5.06E-02	3.29E-01	1.71E-02	-9.82E+00
PENRM	[MJ]	1.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	3.68E+01	3.03E-03	5.06E-02	3.29E-01	1.71E-02	-9.82E+00
SM	[kg]	3.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	[MJ]	2.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	3.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	[m <sup>3</sup> ]	2.08E-03	2.41E-07	4.03E-06	1.66E-04	2.40E-07	-8.49E-04
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Use of net fresh water						

WASTE CATEGORIES AND OUTPUT FLOWS PER 1 kg DS Stålsprofil Profiled Steel Sheets and Coverings – Precoated							
Parameter	Unit	A1-A3	C1	C2	C3	C4	D
HWD	[kg]	6.73E-02	1.60E-14	2.68E-13	0.00E+00	2.59E-12	4.86E-10
NHWD	[kg]	8.29E-02	4.93E-07	8.24E-06	0.00E+00	2.50E-02	-1.85E-02
RWD	[kg]	7.53E-04	5.62E-09	9.39E-08	0.00E+00	2.06E-07	1.62E-04
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	2.79E-02	0.00E+00	0.00E+00	9.75E-01	0.00E+00	0.00E+00
MER	[kg]	6.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy						

Checked and approved by



Mirko Miseljic  
Third party verifier of MD-23084-EN



Martha Katrine Sørensen  
EPD Danmark