

This appendix refers to the EPD MD-21090-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.

Product name: Secura Board

| ENVIRONMENTAL EFFECTS PER PRODUKT PER M <sup>2</sup> |   |          |           |          |           |          |          |           |
|--|---|----------|-----------|----------|-----------|----------|----------|-----------|
| Parameter  | Enhed   | A1-A3    | A4        | C1       | C2        | C3       | C4       | D         |
| GWP  | [kg CO2-eq.]  | 1.38E+00 | 2.18E-01  | 0.00E+00 | 1.80E-01  | 5.23E-02 | 5.10E-01 | -1.84E-01 |
| ODP  | [kg CFC11-eq.]  | 1.60E-05 | 5.83E-17  | 0.00E+00 | 4.83E-17  | 1.69E-15 | 1.31E-16 | -2.88E-15 |
| AP   | [kg SO2-eq.]  | 4.29E-03 | 1.76E-04  | 0.00E+00 | 1.46E-04  | 8.88E-05 | 9.87E-05 | -2.22E-04 |
| EP   | [kg PO43--eq.]  | 1.48E-03 | 3.48E-05  | 0.00E+00 | 2.88E-05  | 1.17E-05 | 1.98E-05 | -3.68E-05 |
| POCP   | [kg ethene-eq.]   | 3.80E-04 | -3.46E-06 | 0.00E+00 | -2.87E-06 | 7.47E-06 | 6.88E-06 | -2.28E-05 |
| ADPE   | [kg Sb-eq.]   | 3.31E-06 | 1.97E-08  | 0.00E+00 | 1.63E-08  | 1.65E-08 | 1.55E-09 | -3.29E-08 |
| ADPF   | [MJ]  | 3.07E+01 | 2.92E+00  | 0.00E+00 | 2.42E+00  | 5.83E-01 | 1.41E-01 | -2.63E+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 |          |           |          |           |          |          |           |

| RESSOURCE CONSUMPTION PER PRODUKT PER M <sup>2</sup> |   |          |          |          |          |          |          |           |
|--|---|----------|----------|----------|----------|----------|----------|-----------|
| Parameter  | Enhed   | A1-A3    | A4       | C1       | C2       | C3       | C4       | D         |
| PERE   | [MJ]  | 4.68E+00 | 1.70E-01 | 0.00E+00 | 1.41E-01 | 4.35E-01 | 3.08E-02 | -7.33E-01 |
| PERM   | [MJ]  | 7.59E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| PERT   | [MJ]  | 1.23E+01 | 1.70E-01 | 0.00E+00 | 1.41E-01 | 4.35E-01 | 3.08E-02 | -7.33E-01 |
| PENRE  | [MJ]  | 3.14E+01 | 2.96E+00 | 0.00E+00 | 2.45E+00 | 9.43E-01 | 1.63E-01 | -3.22E+00 |
| PENRM  | [MJ]  | 4.15E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| PENRT  | [MJ]  | 3.18E+01 | 2.96E+00 | 0.00E+00 | 2.45E+00 | 9.43E-01 | 1.63E-01 | -3.22E+00 |
| SM   | [kg]  | 7.24E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| RSF  | [MJ]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| NRSF   | [MJ]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| FW   | [m <sup>3</sup> ]   | 1.69E-02 | 1.95E-04 | 0.00E+00 | 1.61E-04 | 4.23E-04 | 1.49E-03 | -7.05E-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 = Net use of fresh water |          |          |          |          |          |          |           |

| WASTE CATEGORIES AND OUTPUT FLOWS PER PRODUKT PER M <sup>2</sup> |   |          |          |          |          |          |          |           |
|--|---|----------|----------|----------|----------|----------|----------|-----------|
| Parameter  | Enhed   | A1-A3    | A4       | C1       | C2       | C3       | C4       | D         |
| HWD  | [kg]  | 6.83E-06 | 1.56E-10 | 0.00E+00 | 1.29E-10 | 2.49E-10 | 3.01E-11 | -7.19E-10 |
| NHWD   | [kg]  | 2.37E-02 | 4.65E-04 | 0.00E+00 | 3.85E-04 | 6.69E-04 | 1.60E-02 | -1.50E-03 |
| RWD  | [kg]  | 3.24E-04 | 5.37E-06 | 0.00E+00 | 4.45E-06 | 1.40E-04 | 8.25E-06 | -2.30E-04 |
| CRU  | [kg]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| MFR  | [kg]  | 5.94E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E+01 | 0.00E+00 | 0.00E+00  |
| MER  | [kg]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.60E-01 | 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 | 7.72E-01  |
| EET  | [MJ]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E+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

Ninkie Bendtsen  
Third party verifier of MD-21087-EN

Martha Katrine Sørensen  
EPD Danmark