

This appendix refers to the EPD MD-23003-EN\_rev1, 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 TONNE OF REUSED BRICKS |   |          |          |          |          |          |          |          |           |
|--|---|----------|----------|----------|----------|----------|----------|----------|-----------|
| Parameter  | Unit  | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
| GWP  | [kg CO <sub>2</sub> -eq.]   | 8.40E+00 | 3.25E+01 | 5.13E+01 | 0.00E+00 | 9.13E+00 | 3.53E+00 | 1.31E-01 | -5.64E+00 |
| ODP  | [kg CFC11-eq.]  | 9.70E-07 | 5.80E-07 | 1.68E-08 | 0.00E+00 | 1.63E-07 | 4.57E-08 | 2.36E-09 | -8.69E-08 |
| AP   | [kg SO <sub>2</sub> -eq.]   | 2.06E-01 | 5.80E-02 | 3.40E-03 | 0.00E+00 | 1.54E-02 | 2.31E-02 | 7.18E-04 | -2.89E-02 |
| EP   | [kg PO <sub>4</sub> <sup>3-</sup> -eq.]   | 4.84E-02 | 1.44E-02 | 2.76E-04 | 0.00E+00 | 3.88E-03 | 5.52E-03 | 1.70E-04 | -1.20E-02 |
| POCP   | [kg ethene-eq.]   | 9.89E-03 | 4.70E-03 | 1.37E-04 | 0.00E+00 | 1.25E-03 | 6.33E-04 | 3.10E-05 | -2.30E-03 |
| ADPE   | [kg Sb-eq.]   | 1.62E-04 | 1.06E-04 | 1.75E-06 | 0.00E+00 | 2.92E-05 | 1.23E-06 | 2.01E-07 | -5.90E-05 |
| ADPF   | [MJ]  | 8.52E+02 | 4.59E+02 | 1.29E+01 | 0.00E+00 | 1.27E+02 | 4.58E+01 | 2.47E+00 | -7.54E+01 |
| 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 TONNE OF REUSED BRICKS |   |          |          |          |          |          |          |          |           |
|---|---|----------|----------|----------|----------|----------|----------|----------|-----------|
| Parameter                               | Unit  | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
| PERE                                    | [MJ]  | 8.69E+01 | 7.26E+00 | 1.03E-01 | 0.00E+00 | 2.25E+00 | 2.63E-01 | 2.52E-02 | -3.26E+01 |
| PERM                                    | [MJ]  | 4.03E+02 | 0.00E+00 | 4.03E+02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| PERT                                    | [MJ]  | 4.90E+02 | 7.26E+00 | 4.03E+02 | 0.00E+00 | 2.25E+00 | 2.63E-01 | 2.52E-02 | -3.26E+01 |
| PENRE                                   | [MJ]  | 8.56E+02 | 4.61E+02 | 1.31E+01 | 0.00E+00 | 1.28E+02 | 4.62E+01 | 2.46E+00 | -7.31E+01 |
| PENRM                                   | [MJ]  | 2.73E+01 | 0.00E+00 | 2.73E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| PENRT                                   | [MJ]  | 8.83E+02 | 4.61E+02 | 4.04E+01 | 0.00E+00 | 1.28E+02 | 4.62E+01 | 2.46E+00 | -7.31E+01 |
| SM                                      | [kg]  | 0.00E+00 | 0.00E+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 | 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 | 0.00E+00  |
| FW                                      | [m <sup>3</sup> ]   | 1.13E-01 | 6.64E-02 | 4.88E-04 | 0.00E+00 | 1.86E-02 | 3.63E-03 | 1.77E-03 | -3.77E-01 |
| 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 |          |          |          |          |          |          |          |           |
|   | 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.   |          |          |          |          |          |          |          |           |

| WASTE CATEGORIES AND OUTPUT FLOWS PER TONNE OF REUSED BRICKS |   |          |          |          |          |          |          |          |           |
|--|---|----------|----------|----------|----------|----------|----------|----------|-----------|
| Parameter  | Unit  | A1-A3    | A4       | A5       | C1       | C2       | C3       | C4       | D         |
| HWD  | [kg]  | 5.17E-03 | 2.93E-03 | 9.08E-05 | 0.00E+00 | 8.16E-04 | 3.11E-04 | 1.42E-05 | -3.85E-04 |
| NHWD   | [kg]  | 3.03E+01 | 2.29E+01 | 4.52E-01 | 0.00E+00 | 5.30E+00 | 6.61E-02 | 1.00E+01 | -1.92E+00 |
| RWD  | [kg]  | 2.83E-04 | 1.52E-04 | 3.37E-06 | 0.00E+00 | 5.10E-05 | 5.06E-06 | 4.18E-07 | -1.84E-04 |
| CRU  | [kg]  | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| MFR  | [kg]  | 2.33E+02 | 0.00E+00 | 1.01E+02 | 0.00E+00 | 0.00E+00 | 9.90E+02 | 0.00E+00 | 0.00E+00  |
| MER  | [kg]  | 0.00E+00 | 0.00E+00 | 3.11E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| EEE  | [MJ]  | 0.00E+00 | 0.00E+00 | 5.40E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00  |
| EET  | [MJ]  | 0.00E+00 | 0.00E+00 | 1.09E+01 | 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 |          |          |          |          |          |          |          |           |
|  | 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.   |          |          |          |          |          |          |          |           |

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*Checked and approved by*

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*Linda Højbye  
Third party verifier of MD-23003-EN\_rev1*

A handwritten signature in blue ink that reads 'Martha Sørensen'.

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*Martha Katrine Sørensen  
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