### Material: MA\_LABEL

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| Unit | MA\_UNIT | Thermal resistance (m2.K/W) | MA\_THR | Volume (m3) | MA\_VOL |
| Qyé. | MA\_QTY | Heat transmission delay ∆t (h) | MA\_HTD | Biomaterials vol. (m3) | MA\_BRS\_V |
| Air qual. | MA\_AIR\_R | Heat transmission factor (%) | MA\_HTF | Wood vol. (m3) | MA\_WOOD\_V |
| Fire reaction | MA\_FIRE\_REACTION | Heat capacity (1 day) kJ/(m².K) : | MA\_AHC\_1D | Weight (kg) | MA\_WEIGHT |
| Env. data | MA\_ORIG\_ENV | Heat capacity (12 days) - kJ/(m².K) | MA\_AHC\_12D | Biomaterials weight (kg) | MA\_BRS\_W |
| Inies id. | MA\_INIES\_ID | Vapor transfer resistance factor (mu) | MA\_MU | Wood weight (m3) | MA\_WOOD\_W |

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| Comment | MA\_COMMENT |
| Declarant(s) | MA\_DECLARANTS |
| Sources | MA\_SOURCES |

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| **Life cycle analysis phases** | | | **Global warming potential** | **Depletion potential of the stratospheric ozone layer** | **Eutrophication potential** | **Formation potential of tropospheric ozone photochemical oxidants** | **Non fossils abiotic depletion potential** | **Fossils abiotic depletion potential** | **Air pollution** | **Water pollution** |
| *kg CO2 éq/UF* | *kg CFC 11 éq/UF* | *kg (PO4)3- éq/UF.* | *kg ethylene éq/UF* | *kg Sb éq/UF* | *MJ/UF* | *m3/UF* | *m3/UF* |
| **Production** | Raw material supply | A1 | MA\_GWP\_A1 | MA\_ODP\_A1 | MA\_EP\_A1 | MA\_POCP\_A1 | MA\_ADPE\_A1 | MA\_ADPF\_A1 | MA\_AIP\_A1 | MA\_WAP\_A1 |
| Transport | A2 | MA\_GWP\_A2 | MA\_ODP\_A2 | MA\_EP\_A2 | MA\_POCP\_A2 | MA\_ADPE\_A2 | MA\_ADPF\_A2 | MA\_AIP\_A2 | MA\_WAP\_A2 |
| Manufacturing | A3 | MA\_GWP\_A3 | MA\_ODP\_A3 | MA\_EP\_A3 | MA\_POCP\_A3 | MA\_ADPE\_A3 | MA\_ADPF\_A3 | MA\_AIP\_A3 | MA\_WAP\_A3 |
| **Sub-total** | **A1-A3** | **MA\_GWP\_A1\_A3** | **MA\_ODP\_A1\_A3** | **MA\_EP\_A1\_A3** | **MA\_POCP\_A1\_A3** | **MA\_ADPE\_A1\_A3** | **MA\_ADPF\_A1\_A3** | **MA\_AIP\_A1\_A3** | **MA\_WAP\_A1\_A3** |
| **Construction process stage** | Transport from the gate to the site | A4 | MA\_GWP\_A4 | MA\_ODP\_A4 | MA\_EP\_A4 | MA\_POCP\_A4 | MA\_ADPE\_A4 | MA\_ADPF\_A4 | MA\_AIP\_A4 | MA\_WAP\_A4 |
| Construction | A5 | MA\_GWP\_A5 | MA\_ODP\_A5 | MA\_EP\_A5 | MA\_POCP\_A5 | MA\_ADPE\_A5 | MA\_ADPF\_A5 | MA\_AIP\_A5 | MA\_WAP\_A5 |
| **Sub-total** | **A4-A5** | **MA\_GWP\_A4\_A5** | **MA\_ODP\_A4\_A5** | **MA\_EP\_A4\_A5** | **MA\_POCP\_A4\_A5** | **MA\_ADPE\_A4\_A5** | **MA\_ADPF\_A4\_A5** | **MA\_AIP\_A4\_A5** | **MA\_WAP\_A4\_A5** |
| **Usage** | Use | B1 | MA\_GWP\_B1 | MA\_ODP\_B1 | MA\_EP\_B1 | MA\_POCP\_B1 | MA\_ADPE\_B1 | MA\_ADPF\_B1 | MA\_AIP\_B1 | MA\_WAP\_B1 |
| Maintenance | B2 | MA\_GWP\_B2 | MA\_ODP\_B2 | MA\_EP\_B2 | MA\_POCP\_B2 | MA\_ADPE\_B2 | MA\_ADPF\_B2 | MA\_AIP\_B2 | MA\_WAP\_B2 |
| Repair | B3 | MA\_GWP\_B3 | MA\_ODP\_B3 | MA\_EP\_B3 | MA\_POCP\_B3 | MA\_ADPE\_B3 | MA\_ADPF\_B3 | MA\_AIP\_B3 | MA\_WAP\_B3 |
| Replacement | B4 | MA\_GWP\_B4 | MA\_ODP\_B4 | MA\_EP\_B4 | MA\_POCP\_B4 | MA\_ADPE\_B4 | MA\_ADPF\_B4 | MA\_AIP\_B4 | MA\_WAP\_B4 |
| Refurbishment | B5 | MA\_GWP\_B5 | MA\_ODP\_B5 | MA\_EP\_B5 | MA\_POCP\_B5 | MA\_ADPE\_B5 | MA\_ADPF\_B5 | MA\_AIP\_B5 | MA\_WAP\_B5 |
| Energy use | B6 | MA\_GWP\_B6 | MA\_ODP\_B6 | MA\_EP\_B6 | MA\_POCP\_B6 | MA\_ADPE\_B6 | MA\_ADPF\_B6 | MA\_AIP\_B6 | MA\_WAP\_B6 |
| Water use | B7 | MA\_GWP\_B7 | MA\_ODP\_B7 | MA\_EP\_B7 | MA\_POCP\_B7 | MA\_ADPE\_B7 | MA\_ADPF\_B7 | MA\_AIP\_B7 | MA\_WAP\_B7 |
| **Sub-total** | **B1-B7** | **MA\_GWP\_B1\_B7** | **MA\_ODP\_B1\_B7** | **MA\_EP\_B1\_B7** | **MA\_POCP\_B1\_B7** | **MA\_ADPE\_B1\_B7** | **MA\_ADPF\_B1\_B7** | **MA\_AIP\_B1\_B7** | **MA\_WAP\_B1\_B7** |
| **End of life** | De-construction demolition | C1 | MA\_GWP\_C1 | MA\_ODP\_C1 | MA\_EP\_C1 | MA\_POCP\_C1 | MA\_ADPE\_C1 | MA\_ADPF\_C1 | MA\_AIP\_C1 | MA\_WAP\_C1 |
| Transport | C2 | MA\_GWP\_C2 | MA\_ODP\_C2 | MA\_EP\_C2 | MA\_POCP\_C2 | MA\_ADPE\_C2 | MA\_ADPF\_C2 | MA\_AIP\_C2 | MA\_WAP\_C2 |
| Waste processing | C3 | MA\_GWP\_C3 | MA\_ODP\_C3 | MA\_EP\_C3 | MA\_POCP\_C3 | MA\_ADPE\_C3 | MA\_ADPF\_C3 | MA\_AIP\_C3 | MA\_WAP\_C3 |
| Disposal | C4 | MA\_GWP\_C4 | MA\_ODP\_C4 | MA\_EP\_C4 | MA\_POCP\_C4 | MA\_ADPE\_C4 | MA\_ADPF\_C4 | MA\_AIP\_C4 | MA\_WAP\_C4 |
| **Sub-total** | **C1-B4** | **MA\_GWP\_C1\_C4** | **MA\_ODP\_C1\_C4** | **MA\_EP\_C1\_C4** | **MA\_POCP\_C1\_C4** | **MA\_ADPE\_C1\_C4** | **MA\_ADPF\_C1\_C4** | **MA\_AIP\_C1\_C4** | **MA\_WAP\_C1\_C4** |
| **Whole life cycle (except D)** | |  | **MA\_GWP\_WLC** | **MA\_ODP\_WLC** | **MA\_EP\_WLC** | **MA\_POCP\_WLC** | **MA\_ADPE\_WLC** | **MA\_ADPF\_WLC** | **MA\_AIP\_WLC** | **MA\_WAP\_WLC** |
| **Re-use Recovery Recycling potential** | | **D** | **MA\_GWP\_D** | **MA\_ODP\_D** | **MA\_EP\_D** | **MA\_POCP\_D** | **MA\_ADPE\_D** | **MA\_ADPF\_D** | **MA\_AIP\_D** | **MA\_WAP\_D** |

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| **Life cycle analysis phases** | | | **Renewable energy** | | | **Nonrenewable energy** | | | **Primary energy as energy carrier** | **Primary energy as material utilization** |
| **Renewable primary energy as energy carrier** | **Renewable primary energy as material utilization** | **Renewable primary energy** | **Nonrenewable primary energy as energy carrier** | **Nonrenewable primary energy as material utilization** | **Nonrenewable primary energy as energy carrier** |
| *MJ* | *MJ* | *MJ* | *MJ* | *MJ* | *MJ* | *MJ* | *MJ* |
| **Production** | Raw material supply | A1 | MA\_PERE\_A1 | MA\_PERM\_A1 | MA\_PERT\_A1 | MA\_PENRE\_A1 | MA\_PENRM\_A1 | MA\_PENRT\_A1 | MA\_PEE\_A1 | MA\_PEM\_A1 |
| Transport | A2 | MA\_PERE\_A2 | MA\_PERM\_A2 | MA\_PERT\_A2 | MA\_PENRE\_A2 | MA\_PENRM\_A2 | MA\_PENRT\_A2 | MA\_PEE\_A2 | MA\_PEM\_A2 |
| Manufacturing | A3 | MA\_PERE\_A3 | MA\_PERM\_A3 | MA\_PERT\_A3 | MA\_PENRE\_A3 | MA\_PENRM\_A3 | MA\_PENRT\_A3 | MA\_PEE\_A3 | MA\_PEM\_A3 |
| **Sub-total** | **A1-A3** | **MA\_PERE\_A1\_A3** | **MA\_PERM\_A1\_A3** | **MA\_PERT\_A1\_A3** | **MA\_PENRE\_A1\_A3** | **MA\_PENRM\_A1\_A3** | **MA\_PENRT\_A1\_A3** | **MA\_PEE\_A1\_A3** | **MA\_PEM\_A1\_A3** |
| **Construction process stage** | Transport from the gate to the site | A4 | MA\_PERE\_A4 | MA\_PERM\_A4 | MA\_PERT\_A4 | MA\_PENRE\_A4 | MA\_PENRM\_A4 | MA\_PENRT\_A4 | MA\_PEE\_A4 | MA\_PEM\_A4 |
| Construction | A5 | MA\_PERE\_A5 | MA\_PERM\_A5 | MA\_PERT\_A5 | MA\_PENRE\_A5 | MA\_PENRM\_A5 | MA\_PENRT\_A5 | MA\_PEE\_A5 | MA\_PEM\_A5 |
| **Sub-total** | **A4-A5** | **MA\_PERE\_A4\_A5** | **MA\_PERM\_A4\_A5** | **MA\_PERT\_A4\_A5** | **MA\_PENRE\_A4\_A5** | **MA\_PENRM\_A4\_A5** | **MA\_PENRT\_A4\_A5** | **MA\_PEE\_A4\_A5** | **MA\_PEM\_A4\_A5** |
| **Usage** | Use | B1 | MA\_PERE\_B1 | MA\_PERM\_B1 | MA\_PERT\_B1 | MA\_PENRE\_B1 | MA\_PENRM\_B1 | MA\_PENRT\_B1 | MA\_PEE\_B1 | MA\_PEM\_B1 |
| Maintenance | B2 | MA\_PERE\_B2 | MA\_PERM\_B2 | MA\_PERT\_B2 | MA\_PENRE\_B2 | MA\_PENRM\_B2 | MA\_PENRT\_B2 | MA\_PEE\_B2 | MA\_PEM\_B2 |
| Repair | B3 | MA\_PERE\_B3 | MA\_PERM\_B3 | MA\_PERT\_B3 | MA\_PENRE\_B3 | MA\_PENRM\_B3 | MA\_PENRT\_B3 | MA\_PEE\_B3 | MA\_PEM\_B3 |
| Replacement | B4 | MA\_PERE\_B4 | MA\_PERM\_B4 | MA\_PERT\_B4 | MA\_PENRE\_B4 | MA\_PENRM\_B4 | MA\_PENRT\_B4 | MA\_PEE\_B4 | MA\_PEM\_B4 |
| Refurbishment | B5 | MA\_PERE\_B5 | MA\_PERM\_B5 | MA\_PERT\_B5 | MA\_PENRE\_B5 | MA\_PENRM\_B5 | MA\_PENRT\_B5 | MA\_PEE\_B5 | MA\_PEM\_B5 |
| Energy use | B6 | MA\_PERE\_B6 | MA\_PERM\_B6 | MA\_PERT\_B6 | MA\_PENRE\_B6 | MA\_PENRM\_B6 | MA\_PENRT\_B6 | MA\_PEE\_B6 | MA\_PEM\_B6 |
| Water use | B7 | MA\_PERE\_B7 | MA\_PERM\_B7 | MA\_PERT\_B7 | MA\_PENRE\_B7 | MA\_PENRM\_B7 | MA\_PENRT\_B7 | MA\_PEE\_B7 | MA\_PEM\_B7 |
| **Sub-total** | **B1-B7** | **MA\_PERE\_B1\_B7** | **MA\_PERM\_B1\_B7** | **MA\_PERT\_B1\_B7** | **MA\_PENRE\_B1\_B7** | **MA\_PENRM\_B1\_B7** | **MA\_PENRT\_C1\_C4** | **MA\_PEE\_C1\_C4** | **MA\_PEM\_C1\_C4** |
| **End of life** | De-construction demolition | C1 | MA\_PERE\_C1 | MA\_PERM\_C1 | MA\_PERT\_C1 | MA\_PENRE\_C1 | MA\_PENRM\_C1 | MA\_PENRT\_C1 | MA\_PEE\_C1 | MA\_PEM\_C1 |
| Transport | C2 | MA\_PERE\_C2 | MA\_PERM\_C2 | MA\_PERT\_C2 | MA\_PENRE\_C2 | MA\_PENRM\_C2 | MA\_PENRT\_C2 | MA\_PEE\_C2 | MA\_PEM\_C2 |
| Waste processing | C3 | MA\_PERE\_C3 | MA\_PERM\_C3 | MA\_PERT\_C3 | MA\_PENRE\_C3 | MA\_PENRM\_C3 | MA\_PENRT\_C3 | MA\_PEE\_C3 | MA\_PEM\_C3 |
| Disposal | C4 | MA\_PERE\_C4 | MA\_PERM\_C4 | MA\_PERT\_C4 | MA\_PENRE\_C4 | MA\_PENRM\_C4 | MA\_PENRT\_C4 | MA\_PEE\_C4 | MA\_PEM\_C4 |
| **Sub-total** | **C1-C4** | **MA\_PERE\_C1\_C4** | **MA\_PERM\_C1\_C4** | **MA\_PERT\_C1\_C4** | **MA\_PENRE\_C1\_C4** | **MA\_PENRM\_C1\_C4** | MA\_PENRT\_C4 | MA\_PEE\_C4 | MA\_PEM\_C4 |
| **Whole life cycle (except D)** | | WLC | **MA\_PERE\_WLC** | **MA\_PERM\_WLC** | **MA\_PERT\_WLC** | **MA\_PENRE\_WLC** | **MA\_PENRM\_WLC** | **MA\_PENRT\_WLC** | **MA\_PEE\_WLC** | **MA\_PEM\_WLC** |
| **Re-use Recovery Recycling potential** | | D | **MA\_PERE\_D** | **MA\_PERM\_D** | **MA\_PERT\_D** | **MA\_PENRE\_D** | **MA\_PENRM\_D** | **MA\_PENRT\_D** | **MA\_PEE\_D** | **MA\_PEM\_D** |

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| **Life cycle analysis phases** | | | **Use of secondary material** | **Use of renewable secondary fuels** | **Use of nonrenewable secondary fuels** | **Use of net fresh water** | **Hazardous waste disposed** | **Nonhazardous waste disposed** | **Radioactive waste disposed** |
| *kg/UF* | *MJ/UF* | *MJ/UF* | *m3/UF* | *kg/UF* | *kg/UF* | *kg/UF* |
| **Production** | Raw material supply | A1 | MA\_SM\_A1 | MA\_RSF\_A1 | MA\_NRSF\_A1 | MA\_WAC\_A1 | MA\_HWD\_A1 | MA\_HWD\_A1 | MA\_HWD\_A1 |
| Transport | A2 | MA\_SM\_A2 | MA\_RSF\_A2 | MA\_NRSF\_A2 | MA\_WAC\_A2 | MA\_HWD\_A2 | MA\_NHWD\_A2 | MA\_RWD\_A2 |
| Manufacturing | A3 | MA\_SM\_A3 | MA\_RSF\_A3 | MA\_NRSF\_A3 | MA\_WAC\_A3 | MA\_HWD\_A3 | MA\_NHWD\_A3 | MA\_RWD\_A3 |
| **Sub-total** | **A1-A3** | **MA\_SM\_A1\_A3** | **MA\_RSF\_A1\_A3** | **MA\_NRSF\_A1\_A3** | **MA\_WAC\_A1\_A3** | **MA\_HWD\_A1\_A3** | **MA\_NHWD\_A1\_A3** | **MA\_RWD\_A1\_A3** |
| **Construction process stage** | Transport from the gate to the site | A4 | MA\_SM\_A4 | MA\_RSF\_A4 | MA\_NRSF\_A4 | MA\_WAC\_A4 | MA\_HWD\_A4 | MA\_NHWD\_A4 | MA\_RWD\_A4 |
| Construction | A5 | MA\_SM\_A5 | MA\_RSF\_A5 | MA\_NRSF\_A5 | MA\_WAC\_A5 | MA\_HWD\_A5 | MA\_NHWD\_A5 | MA\_RWD\_A5 |
| **Sub-total** | **A4-A5** | **MA\_SM\_A4\_A5** | **MA\_RSF\_A4\_A5** | **MA\_NRSF\_A4\_A5** | **MA\_WAC\_A4\_A5** | **MA\_HWD\_A4\_A5** | **MA\_NHWD\_A4\_A5** | **MA\_RWD\_A4\_A5** |
| **Usage** | Use | B1 | MA\_SM\_B1 | MA\_RSF\_B1 | MA\_NRSF\_B1 | MA\_WAC\_B1 | MA\_HWD\_B1 | MA\_NHWD\_B1 | MA\_RWD\_B1 |
| Maintenance | B2 | MA\_SM\_B2 | MA\_RSF\_B2 | MA\_NRSF\_B2 | MA\_WAC\_B2 | MA\_HWD\_B2 | MA\_NHWD\_B2 | MA\_RWD\_B2 |
| Repair | B3 | MA\_SM\_B3 | MA\_RSF\_B3 | MA\_NRSF\_B3 | MA\_WAC\_B3 | MA\_HWD\_B3 | MA\_NHWD\_B3 | MA\_RWD\_B3 |
| Replacement | B4 | MA\_SM\_B4 | MA\_RSF\_B4 | MA\_NRSF\_B4 | MA\_WAC\_B4 | MA\_HWD\_B4 | MA\_NHWD\_B4 | MA\_RWD\_B4 |
| Refurbishment | B5 | MA\_SM\_B5 | MA\_RSF\_B5 | MA\_NRSF\_B5 | MA\_WAC\_B5 | MA\_HWD\_B5 | MA\_NHWD\_B5 | MA\_RWD\_B5 |
| Energy use | B6 | MA\_SM\_B6 | MA\_RSF\_B6 | MA\_NRSF\_B6 | MA\_WAC\_B6 | MA\_HWD\_B6 | MA\_NHWD\_B6 | MA\_RWD\_B6 |
| Water use | B7 | MA\_SM\_B7 | MA\_RSF\_B7 | MA\_NRSF\_B7 | MA\_WAC\_B7 | MA\_HWD\_B7 | MA\_NHWD\_B7 | MA\_RWD\_B7 |
| **Sub-total** | **B1-B7** | **MA\_SM\_B1\_B7** | **MA\_RSF\_B1\_B7** | **MA\_NRSF\_B1\_B7** | **MA\_WAC\_B1\_B7** | **MA\_HWD\_B1\_B7** | **MA\_NHWD\_B1\_B7** | **MA\_RWD\_B1\_B7** |
| **End of life** | De-construction demolition | C1 | MA\_SM\_C1 | MA\_RSF\_C1 | MA\_NRSF\_C1 | MA\_WAC\_C1 | MA\_HWD\_C1 | MA\_NHWD\_C1 | MA\_RWD\_C1 |
| Transport | C2 | MA\_SM\_C2 | MA\_RSF\_C2 | MA\_NRSF\_C2 | MA\_WAC\_C2 | MA\_HWD\_C2 | MA\_NHWD\_C2 | MA\_RWD\_C2 |
| Waste processing | C3 | MA\_SM\_C3 | MA\_RSF\_C3 | MA\_NRSF\_C3 | MA\_WAC\_C3 | MA\_HWD\_C3 | MA\_NHWD\_C3 | MA\_RWD\_C3 |
| Disposal | C4 | MA\_SM\_C4 | MA\_RSF\_C4 | MA\_NRSF\_C4 | MA\_WAC\_C4 | MA\_HWD\_C4 | MA\_NHWD\_C4 | MA\_RWD\_C4 |
| **Sub-total** | **C1-B4** | **MA\_SM\_C1\_C4** | **MA\_RSF\_C1\_C4** | **MA\_NRSF\_C1\_C4** | **MA\_WAC\_C1\_C4** | **MA\_HWD\_C1\_C4** | **MA\_NHWD\_C1\_C4** | **MA\_RWD\_C1\_C4** |
| **Whole life cycle (except D)** | | **WLC** | **MA\_SM\_WLC** | **MA\_RSF\_WLC** | **MA\_NRSF\_WLC** | **MA\_WAC\_WLC** | **MA\_HWD\_WLC** | **MA\_NHWD\_WLC** | **MA\_RWD\_WLC** |
| **Re-use Recovery Recycling potential** | | **D** | **MA\_SM\_D** | **MA\_RSF\_D** | **MA\_NRSF\_D** | **MA\_WAC\_D** | **MA\_HWD\_D** | **MA\_NHWD\_D** | **MA\_RWD\_D** |