### SBW\_01 - Mur à remplissage en bottes de paille avec ossature bois simple désaxée vers l'intérieur | Straw-bale infill wall with simple timber frame offset to the outside | Relleno con paja de una estructura de madera sencilla colocada del lado exterior

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| Thermal resistance (m2.K/W): | 7.8 | **U.** | **Qty.** | **Density** | **Weight** | **Therm. Cond.**  **λ** | **Heat**  **capacity** | **Air q.** | **MU** | **Climate change** (GWP) | **Primary Non-Renewable Energy**  (PENRT) | **Sources** |
| Heat transmission delay ∆t (h): | 17.80 |
| Heat transmission factor (%): | 0.95 |
| Heat capacity (1 day) kJ/m²K: | 40 |
| Heat capacity (12 days) - kJ/m²K: | 476 |
| Bio resources volume (m3/m²): | 0.39 |
|  | |  |  | *kg/m3* | *kg/m²* | *W/m°C* | *Wh/kg.K* |  |  | *kg. eq. CO2* | *MJ* |  |
| 1. Bardage | Cladding | Entablado | | mm | 17 | 600.0 | 10.78 | 0.130 | 0.75 |  | 120 | +0.99 | +99.10 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%204112) |
| 2. Lame d'air ventilée | Air cavity | Cámara de aire ventilada | | mm | 54 | 1.3 | 0.06 | 0.192 | 0.28 |  | 1 | +0.00 | +0.00 |  |
| 7. Contre liteau | Counter battens | Contra rastreles | | \_\_x\_\_x\_\_ | 2000x40x27 | 490.0 | 1.06 | 0.120 | 0.44 |  | 120 | +0.11 | +11.39 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 8. Liteau | Battens | Rastreles | | \_\_x\_\_x\_\_ | 2000x40x27 | 490.0 | 1.06 | 0.120 | 0.44 |  | 120 | +0.11 | +11.39 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 3. Pare pluie| Waterproof membrane | Membrana impermeable | | m2 | 1.0 | 700.0 | 0.22 | 2.300 | 0.64 |  | 5 | +1.99 | +54.72 | [DED (Default value)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%207990) |
| 4. Contreventement | Bracing panel | Tablero estructural (arriostramiento) | | mm | 12 | 864.0 | 10.37 | 0.250 | 0.28 | A+ | 10 | +2.77 | +53.21 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2022855) |
| 5. Botte de paille | Straw bale | Paja | | mm | 370 | 100.0 | 35.69 | 0.052 | 0.44 | A+ | 2 | -13.61 | +39.56 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%203248) [Straw construction standard](https://rfcp.fr/les-regles-professionnelles/) [RFCP](http://www.rfcp.fr/) |
| 9. Montants | Upright | Montante | | \_\_x\_\_x\_\_ | 2000x45x145 | 490.0 | 6.39 | 0.120 | 0.44 |  | 120 | +0.67 | +68.84 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 6. Enduit terre | Earth-based render | Enlucido de tierra | | mm | 35 | 1042.5 | 36.49 | 1.000 | 0.28 |  | 8 | +13.39 | +72.23 | [DED (Default value)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010870) |
| **SUM** | | **mm** | **489** |  | **102** |  |  |  |  | **+6.41** | **+410.44** |  |

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