### SBW\_02 - Remplissage en paille d'une ossature bois simple désaxée vers l'intérieur | Straw-bale infill wall with simple timber frame offset to the inside | Relleno de paja de una estructura de madera sencilla colocada del lado exterior

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| Thermal resistance (m2.K/W): | 7.7 | **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): | 17.51 |
| Heat transmission factor (%): | 1.02 |
| Heat capacity (1 day) kJ/m²K: | 28 |
| Heat capacity (12 days) - kJ/m²K: | 331 |
| Bio resources volume (m3/m²): | 0.39 |
|  | |  |  | *kg/m3* | *kg/m²* | *W/m°C* | *Wh/kg.K* |  |  | *kg. eq. CO2* | *MJ* |  |
| 1. Enduit chaux | Lime render | Enlucido de cal | | mm | 30 | 1600.0 | 67.20 | 0.700 | 0.24 | A+ | 8 | +9.93 | +93.79 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%204249) |
| 2. Botte de paille | Straw bale | Paja | | mm | 370 | 100.0 | 35.51 | 0.052 | 0.44 | A+ | 2 | -13.54 | +39.36 | [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/) |
| 6. Montants | Uprights | Montantes | | \_\_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) |
| 7. Liteaux | Battens (securing bales) | | \_\_x\_\_x\_\_ | 2000x30x30 | 490.0 | 0.88 | 0.120 | 0.44 |  | 120 | +0.09 | +9.49 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 3. Contreventement & frein vapeur | Bracing panel & vapour barrier | Tablero estructural (arriostramiento) y freno de vapor | | mm | 16 | 620.0 | 11.11 | 0.130 | 0.42 |  | 40 | +1.95 | +104.16 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2012744) [CTBA](http://www.fcba.fr/) [UIPP](http://www.uipp.fr/) |
| 4. Vide technique | Air space | Cámara para instalaciones | | mm | 45 | 1.3 | 0.05 | 0.230 | 0.28 |  | 1 | +0.00 | +0.00 |  |
| 8. Liteaux | Battens (supporting the interior facing) | Rastreles (sujeción de balas) | Rastreles (soporte paramento interior) | | \_\_x\_\_x\_\_ | 2000x45x45 | 490.0 | 1.98 | 0.120 | 0.44 |  | 120 | +0.21 | +21.36 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 5. Parement intérieur | Interior covering | Paramento interior | | mm | 12 | 1180.0 | 14.16 | 0.320 | 0.28 |  | 13 | +7.04 | +139.26 | [FDES](https://www.fermacell.fr/fermacellapi/downloads/file/fr-FR/0690J0000065zS8QAI) [Fermacell](http://www.fermacell.fr/) |
| **SUM** | | **mm** | **473** |  | **137** |  |  |  |  | **+6.34** | **+476.26** |  |

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