### SBR\_10 - Toiture avec remplissage en bottes de paille | Straw bale infill roof | Cubierta de madera con relleno de balas de paja

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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): | 17.11 |
| Heat transmission factor (%): | 1.14 |
| Heat capacity (1 day) kJ/m²K: | 22 |
| Heat capacity (12 days) - kJ/m²K: | 263 |
| Bio resources volume (m3/m²): | 0.41 |
|  | |  |  | *kg/m3* | *kg/m²* | *W/m°C* | *Wh/kg.K* |  |  | *kg. eq. CO2* | *MJ* |  |
| 6. Contrelattage | Counter battens | Contrarastreles | | \_\_x\_\_x\_\_ | 2000x42x35 | 490.0 | 1.44 | 0.120 | 0.44 |  | 120 | +0.15 | +15.51 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 7.Lattage | Battens | Rastreles | | \_\_x\_\_x\_\_ | 2000x42x35 | 490.0 | 1.44 | 0.120 | 0.44 |  | 120 | +0.15 | +15.51 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010604) |
| 1. Pare pluie rigide et perspirant | Rigid breathable rain screen | Tablero impermeable y transpirable | | mm | 16 | 205.0 | 3.28 | 0.044 | 0.58 | A+ | 3 | +0.08 | +64.89 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%208648) [Pavatex](http://www.pavatex.com/) [SOPREMA](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2012760) |
| 2. Paille | Straw | Paja | | mm | 370 | 100.0 | 34.41 | 0.052 | 0.44 | A+ | 2 | -13.12 | +38.13 | [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/) |
| 5. Chevron | Rafter | Correa de madera | | \_\_x\_\_x\_\_ | 2000x35x370 | 485.7 | 12.58 | 0.120 | 0.44 |  | 120 | +1.28 | +99.35 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2010796) |
| 3. Frein vapeur | Vapour barrier | Freno de vapor | | m2 | 1.0 | 700.0 | 0.09 | 2.300 | 0.64 | A+ | 2130 | +0.65 | +11.81 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%208386) [Technical Agreement (Atec / DTA - France)](http://evaluation.cstb.fr/fr/rechercher/produits-evalues/?mots=Membrane%20VARIO®%20KM%20DUPLEX) |
| 4. Panneau rigide | Rigid panel | Panel rígido | | 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/) |
| **SUM** | | **mm** | **403** |  | **64** |  |  |  |  | **-8.86** | **+349.36** |  |

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| C:\Users\Luc\AppData\Roaming\Cocon-Bim\configuration\userData\userReports\a8f2fff3-6c04-46fe-838d-c1a006a980db.png |