## CEIIBRIT

## Cembrit Patina Original

| Dimension tolerance (EN 12467, Level 1) |  | Patina 6 mm | Patina 8 mm |
| :--- | ---: | ---: | ---: |
| Thickness (up to 20mm) | mm | $\pm 0.6$ | $\pm 0.8$ |
| Width (1000mm <a< 1600mm) | mm | $\pm 0,3 \% \mathrm{a}$ | $\pm 0,3 \% \mathrm{a}$ |
| Length (1600 mm < Length) | mm | $\pm 5.0$ | $\pm 5.0$ |
|  |  |  |  |
| Physical properties | $\mathrm{kg} / \mathrm{m}^{3}$ | $\geq 1400$ | $\geq 1475$ |
| Density, dry minimum (EN12467) | $\mathrm{kg} / \mathrm{m}^{3}$ | 1450 | 1550 |
| Density, dry avarage (EN12467) | $\mathrm{kg} / \mathrm{m}^{2}$ | 9.3 | 12.4 |
| Weight (incl. 10\% moisture) | $\%$ | $5-10$ | $5-10$ |
| Moisture content (on dispatch ex works) |  |  |  |

* nominal value may vary depending on the conditions

| Mechanical properties (EN 12467) |  |  |  |
| :--- | :--- | :--- | :--- |
| Bending modulus of elasticity | GPa | 12 | 12 |
| E-module along grain, ambient | GPa | 13 | 14 |
| E-module across grain, ambient | GPa | 9 | 9 |
| E-module along grain, wet | GPa | 11 | 11 |
| E-module across grain, wet |  |  |  |


| Bending strength (EN 12467) |  |  |  |
| :--- | :--- | :--- | :--- |
| Along grain, ambient | MPa | 22 | 22 |
| Across grain, ambient | MPa | 35 | 35 |
| Along grain, wet | MPa | 17 | 18 |
| Across grain, wet | MPa | 26 | 27 |


| Impact strength (Pendulum test) |  |  |  |
| :--- | :--- | :--- | :--- |
| Along grain, dry | $\mathrm{kJ} / \mathrm{m}^{2}$ | 2.2 | 2.7 |
| Across grain, dry | $\mathrm{kJ} / \mathrm{m}^{2}$ | 2.7 | 3.6 |


| Thermal properties |  |  |  |
| :--- | ---: | ---: | ---: |
| Thermal conductivity ( ISO 8301, EN 12667), $\boldsymbol{\lambda}_{10}$ | $\mathrm{~W} / \mathrm{mK}$ | 0.32 | 0.37 |
| Coefficient of thermal expansion | $\mathrm{mm} / \mathrm{m}^{\circ} \mathrm{C}$ | 0.01 | 0.01 |
| Temperature (air) in use | ${ }^{\circ} \mathrm{C} \mathrm{max}$ | $-40-+80$ | $-40-+80$ |
| Frost resistance (average along/across) | RL | $\geq 0.75$ | $\geq 0.75$ |


| Hygrothermal properties |  |  |  |
| :--- | ---: | ---: | ---: |
| Water absorption $\left(24\right.$ hrs $105^{\circ} \mathrm{C}, 24$ hrs in water $)$ | $\%$ | 28 | 28 |
| Moisture movement $(30 / 90 \%$ RH, EN 12467) | $\mathrm{mm} / \mathrm{m}$ | 0.8 | 0.8 |

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[^1]
[^0]:    www.cembrit.com
    Please visit the local website for contact details
    and further information.

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