

| COMFIRE® Physical Properties | | Units | | | |
|--|--|-------------------|------------|------------|------------|
| Material Density ¹ | | kg/m ³ | 360 | | |
| Sound Absorption | | α | >0.6 | | |
| Thermal Conductivity | | W/mK | 0.08 | | |
| Bending Resistance | | MPa | 0.5 | | |
| Pressure Resistance | | MPa | 1.2 | | |
| Smoke Index (Def Std 02-711) | | | 0.1 | | |
| Toxicity Index (Def Std 02-713) | | ppm/100mg | 0.3 | | |
| | | | | | |
| COMFIRE® Chemical Properties | | Units | | | |
| Silicon Dioxide, SiO ₂ | | % | 72 | | |
| Calcium Oxide, CaO | | % | 9 | | |
| Sodium Oxide, Na ₂ O | | % | 14 | | |
| Potassium Oxide, K ₂ O | | % | 1 | | |
| Aluminum Oxide, Al ₂ O ₃ | | % | 2 | | |
| Magnesium Oxide, MgO | | % | 2 | | |
| | | | | | |
| COMFIRE® Panels (with standard surface) | | Units | C26 | C37 | C52 |
| Thickness | | mm | 26 | 37 | 52 |
| Fire Rating | | MPa | B-15 | B-30 | A-60 |
| Weight | | kg/m ² | 9.7 | 14.9 | 20 |
| Compressive Strength Perpendicular to Surface | | MPa | 1 | 1.6 | |
| Compressive Strength Parallel to Surface Plane | | MPa | 1.2 | 1.8 | 2.2 |
| Ultimate Moment Resistance | | Nm | 40 | 60 | |
| Acoustic Dampening (Rw) | | dB | | | 37 |

¹ Density can be adjusted to meet specific requirements between 330-660 kg/m³.