



























| • Davida                        | CRITICAL      |          |  |
|---------------------------------|---------------|----------|--|
| <ul> <li>Density</li> </ul>     |               |          |  |
| Compressive Str                 | •             |          |  |
| Dimensional Sta                 | bility        |          |  |
| <ul> <li>Flexibility</li> </ul> |               |          |  |
| v                               | ERY IMPORTANT |          |  |
| Thermal insulati                | on            |          |  |
| Sound Insulation                | า             |          |  |
| Fire Resistance                 |               | <b>_</b> |  |
| Economical                      |               | -        |  |



| Panel Dry wall Vs Brick wall |                             |                   |  |  |  |  |
|------------------------------|-----------------------------|-------------------|--|--|--|--|
| S. No.                       | Properties                  | Unit              | Aerocon Panel (50mm thick)                 | Clay Brick (115mm Thick + both<br>side 15 mm plastering) |  |  |
| 1                            | Weight                      | Kg/m²             | 39   | 268  |  |  |
| 2                            | Density                     | Kg/m <sup>3</sup> | 780  | 2000   |  |  |
| 3                            | Thickness                   | mm                | 50 mm                                      | 145 mm   |  |  |
| 4                            | Dead load(3 m height)       | kg/run.m          | 129  | 804  |  |  |
| 5                            | Thermal conductivity        | W/m deg. K        | 0.22                                       | 0.84   |  |  |
| 6                            | Carpet Area(10' x 10' room) |                   | 10% More                                   | -  |  |  |
| 7                            | Surface Finish              |                   | Factory Finish Surface & ready<br>to paint | Surface finish to be prepared manually at site           |  |  |
| 8                            | Fire rating                 |                   | 1 hour                                     | 1 hour   |  |  |
| 9                            | Water Absorption            |                   | Up to 8%                                   | Upto 28.00%  |  |  |
| 10                           | Termite Resistance          |                   | Yes  | Yes  |  |  |
| 11                           | Faster & Dry construction   |                   | Yes  | No   |  |  |
| 12                           | Plastering                  |                   | Not Require                                | Require  |  |  |
| 13                           | Consistency in Quality      |                   | Factory Made                               | Depends on workmanship                                   |  |  |













































