

**Century Plyboards (I) Limited**

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Ref. No. Century/MDF/QA 01/2024

Date: 27/08/2024

**TO WHOM SO EVER IT MAY CONCERN  
GENERAL TEST CERTIFICATE**

**Type of Board** : Plain MDF Board (Grade -2), DIR  
**Thickness** : 3.30 mm  
**Size** : 2440x1220 mm

| SL | PROPERTIES                                                                                                     | SPECIFICATION<br>AS PER IS 12406:2021                                           | VALUE<br>OBTAINED    |
|----|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------|
| 01 | Dimensions<br>Thickness (mm)<br>Length (mm)<br>Width (mm)                                                      | $\pm 0.3$ mm<br>$\pm 3$ mm/mtr.<br>$\pm 3$ mm/mtr.                              | 3.35<br>2441<br>1220 |
| 02 | Density (Kg/m <sup>3</sup> )                                                                                   | 600-900                                                                         | 779                  |
| 03 | Variation from mean Density (%)                                                                                | $\pm 10$                                                                        | $\pm 2.76$           |
| 04 | Moisture content (%)                                                                                           | 5-10                                                                            | 5.69                 |
| 05 | Variation from mean moisture content (%), absolute                                                             | $\pm 3$                                                                         | $\pm 1.87$           |
| 06 | Linear Expansion (Thickness Swelling in water), due to<br>general absorption after 24 h Soaking, percent, Max. | 35                                                                              | 22.28                |
| 07 | Modulus of Rupture, N/mm <sup>2</sup> , Min.<br>Average<br>Individual                                          | 23<br>20.5                                                                      | 34.97<br>32.89       |
| 08 | Modulus of Elasticity, N/mm <sup>2</sup> , Min.<br>Average<br>Individual                                       | 2800<br>2500                                                                    | 2875<br>2675         |
| 09 | Internal Bond, N/mm <sup>2</sup> , Min.                                                                        | 0.65                                                                            | 0.93                 |
| 10 | Screw Withdrawal strength(min.), N<br>(a) Face<br>(b) Edge (For thickness >12mm)                               | 1250<br>N/A                                                                     | 2689<br>N/A          |
| 11 | Formaldehyde Content, mg/100g for oven dry board                                                               | E <sub>1</sub> : F <sub>c</sub> ≤ 8<br>E <sub>2</sub> : 8 < F <sub>c</sub> ≤ 30 | 23.81                |

**Q.C. Chemist**