

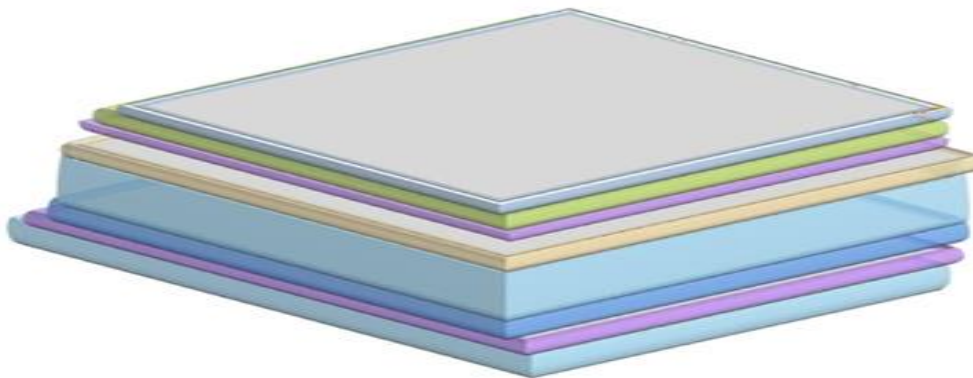
**N R AGARWAL INDUSTRIES LIMITED**  
**BOARD MACHINE – NR -- Unit -1**  
**SPECIFICATION SHEETS**

DATE: 27<sup>th</sup> May 2024

PRODUCT: LEGEND GREY BACK

| Substance (GSM)<br>Tappi T-410, om02, ISO-536 | CALIPER (μ)<br>Tappi T-411, om 97, ISO 534 | BULK<br>(cc/gm.)               | Taber Stiffness (T489 om 99)<br>gm-cm |           |     |
|-----------------------------------------------|--------------------------------------------|--------------------------------|---------------------------------------|-----------|-----|
| 230                                           | 267                                        | 1.16                           | 40                                    | 18        | 27  |
| 250                                           | 290                                        | 1.16                           | 55                                    | 25        | 37  |
| 260                                           | 307                                        | 1.18                           | 65                                    | 28        | 43  |
| 270                                           | 319                                        | 1.18                           | 70                                    | 30        | 46  |
| 285                                           | 336                                        | 1.18                           | 85                                    | 38        | 57  |
| 296                                           | 352                                        | 1.19                           | 100                                   | 43        | 66  |
| 300                                           | 360                                        | 1.20                           | 105                                   | 46        | 69  |
| 320                                           | 384                                        | 1.20                           | 120                                   | 52        | 79  |
| 330                                           | 396                                        | 1.20                           | 130                                   | 56        | 85  |
| 340                                           | 408                                        | 1.20                           | 135                                   | 58        | 88  |
| 350                                           | 420                                        | 1.20                           | 150                                   | 65        | 99  |
| 360                                           | 432                                        | 1.20                           | 160                                   | 70        | 106 |
| 370                                           | 448                                        | 1.21                           | 175                                   | 75        | 115 |
| 380                                           | 460                                        | 1.21                           | 190                                   | 80        | 123 |
| 400                                           | 484                                        | 1.21                           | 210                                   | 90        | 137 |
| 410                                           | 496                                        | 1.21                           | 225                                   | 97        | 148 |
| 420                                           | 508                                        | 1.21                           | 235                                   | 105       | 157 |
| 450                                           | 545                                        | 1.21                           | 275                                   | 120       | 182 |
| 500                                           | 605                                        | 1.21                           | 325                                   | 140       | 213 |
| Tol. ±3%                                      | ±5%                                        | ±5%                            | ±10% Geometric mean value             |           |     |
| PARAMETER                                     | UNIT                                       | TEST PROCEDURE                 |                                       | VALUE     |     |
| PLYBOND                                       | (J/M²)                                     | Tappi T-569 pm - 00            |                                       | > 130     |     |
| ROUGHNESS (PPS)                               | Micron (μ)                                 | TAPPI T-555 ,om-99/ISO 8791-4  |                                       | 3.0 Max.  |     |
| Gloss at 75 °                                 | (%)                                        | Tappi T-480 om-92/ISO 8254-1   |                                       | 40 Min    |     |
| IGT DRY PICK(MV)                              | (m/s)                                      | TAPPI T-514/ISO 3782 & 3783    |                                       | 0.7 Min.  |     |
| ISO BRIGHTNESS                                | (%)                                        | TAPPI T-452 om 98/ISO 2470     |                                       | 76 (Min)  |     |
| COBB-60 TS                                    | g/m²                                       | TAPPI T-441 om 98/ISO 535:2014 |                                       | 50 (Max)  |     |
| BS                                            | g/m²                                       | TAPPI T-441 om 98/ISO 535:2014 |                                       | 60 (Max)  |     |
| Moisture                                      |                                            |                                |                                       |           |     |
| 230-300 GSM                                   | (%)                                        | TAPPI T-412 om 2/ISO 287:2017  |                                       | 6.0 - 7.0 |     |
| 301-500 GSM                                   | (%)                                        | TAPPI T-412 om 2/ISO 287:2017  |                                       | 7.0 - 8.0 |     |

**BOARD CONSTRUCTION:**



Double Coated  
Size Starch  
Top Layer  
Under Top Layer  
Filler Layer  
  
Bottom Layer  
Size Starch  
Back Coat Starch

- All properties according to laboratory testing parameter at N R AGARWAL INDUSTRIES LTD Unit-1 - Vapi.
- All properties are tested in controlled climatic condition.
- This specification can be improved further, Subject to product upgradation.
- Tolerance is based upon 86% confidence limit of single mill measurement of conditioned random sample.
- This specification sheets super goods all the earlier specification sheets.
- 100% FSC Recycle board is supply on demand.