



**VESTA** | no added urea-formaldehyde resin MDF

*passion  
for panels®*

**THE NO ADDED UREA-FORMALDEHYDE RESIN OPTION**

VESTA is a specialty MDF panel produced using a no added urea-formaldehyde resin process and 100% recycled and/or recovered wood material.

This EPP (Environmentally Preferable Product) certified MDF meets the MR10 requirements for moisture resistance as stated in ANSI A208.2-2009 3.3.4, qualifies for no added U-F resin project requirements and may contribute to LEED points.

Available raw or TFM finished, it's the perfect choice for VESTA specified cabinets, countertops, fixtures and furniture products.

**VESTA MDF Specification (Bennettsville, SC, Malvern, AR)**

| Grade                                 | VESTA MDF                       |                                |                     |
|---------------------------------------|---------------------------------|--------------------------------|---------------------|
| Thickness Range (in)*                 | $\frac{3}{8}$ - $\frac{13}{16}$ | $\frac{7}{8}$ - $1\frac{1}{8}$ | $1\frac{3}{16}$ - 2 |
| Average Density (lb/cu ft)            | 46                              | 45                             | 45                  |
| Average MOR (psi)                     | 3,000                           | 3,000                          | 3,000               |
| Average MOE (psi)                     | 300,000                         | 300,000                        | 300,000             |
| Average Internal Bond (psi)           | 100                             | 95                             | 85                  |
| Face Screw Hold (lb)                  | 300                             | 275                            | 275                 |
| Edge Screw Hold (lb)                  | 250                             | 225                            | 225                 |
| Thickness Swell** $\leq \frac{9}{16}$ | 0.030"                          | 0.030"                         | N/A                 |
| $\geq \frac{9}{16}$                   | 5%                              | 5%                             | 5%                  |
| Thickness Tolerance (in)              | +/- .005                        | +/- .005                       | +/- .005            |
| Length and Width (in)                 | +/- $\frac{1}{16}$              | +/- $\frac{1}{16}$             | +/- $\frac{1}{16}$  |
| Squareness (in)                       | $\frac{1}{8}$                   | $\frac{1}{8}$                  | $\frac{1}{8}$       |

\* Metric thickness available. The above physical properties are based on minimum allowable averages of individual production lots. Testing for conformance to the above specifications must be done in accordance with procedures described in the American National Standard for Medium Density Fiberboard (ANSI 208.2-2009).

\*\* According to ASTM D 1037 (24-hour soak average %,  $\leq \frac{9}{16} = .030$ ).

Flakeboard MDF is manufactured to strict quality control standards with recycled and recovered wood fiber. These products may contribute towards specific credits under the US Green Building Council (USGBC) Leadership in Energy & Environmental Design (LEED) criteria.

**Information for Qualifying LEED Credits**

| LEED Category <sup>1</sup>  | Possible Points/Credits | Intent  |
|---|-------------------------|---|
| MR 4.1 Recycled Content: 10% (post + 1/2 pre-consumer)                        | 1 point                 | Increase the use of building products that contain recycled content material                        |
| MR 4.2 Recycled Content: 20% (post + 1/2 pre-consumer)                        | 1 point added to 4.1    | Increase the use of building products that contain recycled content material                        |
| MR 5.1 Regional Materials: 10% Extracted, Processed & Manufactured Regionally | 1 point                 | Increase the use of building products that are extracted and manufactured within the project region |
| MR 5.2 Regional Materials: 20% Extracted, Processed & Manufactured Regionally | 1 point added to 5.1    | Increase the use of building products that are extracted and manufactured within the project region |
| MR 7 Certified Wood: Materials and Resources                                  | 1 point                 | Encourage environmentally responsible forest management   |
| IEQ 4.4 Low-emitting Materials: Composite Wood & Agrifiber Products           | 1 point                 | Reduce indoor air contaminants and improve indoor air quality                                       |

<sup>1</sup> Source: LEED Green Building Rating System for New Construction & Major Renovations, Version 2.2. For additional LEED information, visit [www.usgbc.org](http://www.usgbc.org).

- Complies with CPA EPPS 3-08 and CCR 93120.2(a) (CARB Composite Wood ATCM Phase 1 Formaldehyde Emission Limits)
- Material Safety Data Sheets are available upon request
- All panels are approved for use in interior, non-structural applications
- Contains 100% Recycled/Recovered Wood Content
- Conforms to formaldehyde emission requirements for MDF in ANSI 208.2-2009



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www.flakeboard.com 1.800.268.9830