

## M-3

### Technical Specifications

| Properties            | ANSI A208.1-2009 (Grade M-3)             |                              |
|-----------------------|------------------------------------------|------------------------------|
|                       | Metric                                   | Imperial                     |
| Moisture content      | Max. 10%                                 |                              |
| Density range         | 650-690 kg/m <sup>3</sup>                | 40.6-43.1 lb/ft <sup>3</sup> |
|                       | Typical density value for Uniboard mills |                              |
| Thickness tolerance:  |                                          |                              |
| Between panels        | ± 0.200 mm                               | ± 0.008 in                   |
| Within panels         | ± 0.100 mm                               | ± 0.004 in                   |
| Modulus of rupture    | 15.0 N/mm <sup>2</sup>                   | 2,176 psi                    |
| Modulus of elasticity | 2,500 N/mm <sup>2</sup>                  | 362,600 psi                  |
| Internal bond         | 0.50 N/mm <sup>2</sup>                   | 73 psi                       |
| Linear expansion      | < 0.40%                                  |                              |
| Screw holding:        |                                          |                              |
| Face                  | 1,000 N                                  | 225 lb                       |
| Core                  | 900 N                                    | 202 lb                       |
| Formaldehyde emission | ≤ 0.09 ppm (CARB 2)                      |                              |
| Length-Width          | ± 2.0 mm                                 | ± 0.18 in                    |

Uniboard Particleboard meets the requirements of ANSI A208.1-2009/Grade M-3 and is available as FSC® certified  
Uniboard Particleboard meets CARB Phase 2 standards