

## Woodgrain's MR10 (Moisture Resistant)

Premium Industrial Particleboard with added protection against occasional moisture and high humidity. Engineered for peace of mind. Engineered for Interior Use Only.

**Description:** An engineered composite panel wood product made from 100% recycled Ponderosa pine and associated species of western wood particles formed and bonded with an interior resin.

**Specification Conformance:** Physical and Mechanical Properties are averages of all thicknesses from normal product runs.

**Thickness Range:** 5/8" through 1"

### Woodgrain Particleboard complies with:

EPA TSCA Title VI, HUD 24 CFR 3280, CCR 93120 CARB ATCM Phase 2, CAN/CSA-0160-16 (Formaldehyde Emissions)  
ECC CPA 4-11 (Sustainability); ANSI A208.1 2016 (Physical Properties)  
Flame spread rating is class C (International Code Council – International Fire Code® and National Fire Protection Association 101 Life Safety Code®) as tested to ASTM E84 and CAN/ULC-S102-10.  
MR10 compliance with ANSI A208.1 2016 when tested according to ASTM D1037-12, 24-hour water submersion.

Manufacturing Standards: Average	Imperial	Metric
Density	48 lb/ft <sup>3</sup>	0.769 g/cm <sup>3</sup>
Internal Bond	130 psi	0.869 N/ mm <sup>2</sup>
Screw Hold - Face	320 lbs	1,423 N
Screw Hold - Edge	260 lbs	1,156.53 N
Formaldehyde, Emissions (TSCA Title VI)	< 0.09 ppm	< 0.09 ppm
Linear Expansion - Maximum	0.3%	0.3%
Water Absorption - Maximum	20%	20%
Thickness Swell - Maximum	<5%	<5%
Moisture Content	7%	7%
Sanding	120 grit	-

Manufacturing Tolerances	Imperial	Metric
Thickness Average from Target Value*	±0.005 in	±0.127 mm
Thickness Range (within panel) from Panel Average Value	±0.004 in	±0.102 mm
Length and Width (within panel) from Specified Size	±0.0625 in	±1.588 mm
Squareness (within panel) Maximum Deviation Between Diagonals	0.125 in	3.175 mm
Straightness (within panel) Maximum bow per 8' length	0.0625 in	1.588 mm

\*Target value 0.005 under nominal

**For more information, including sales terms and conditions:**

Visit our website: [Woodgrain.com](http://Woodgrain.com)

Send us an Email: [ParticleboardSales@Woodgrain.com](mailto:ParticleboardSales@Woodgrain.com)

Give us a Call: 888-264-7372

