

## FirewallFR® is a 50# Premium Industrial Particleboard

Certified Class 1/Class A fire-rated properties; engineered to meet the heightened protection requirements of your commercial institutional, and residential projects. Equipped with MR10 moisture resistance. Engineered for interior use only. Meets requirements For ANSI M-2.

**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:** 3/8" 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 A (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	49.5 lb/ft <sup>3</sup>	0.793 g/cm <sup>3</sup>
Internal Bond	100 psi	0.689 N/ mm <sup>2</sup>
Screw Hold - Face	250 lbs	1,112 N
Screw Hold - Edge	185 lbs	822.92 N
Formaldehyde, Emissions (TSCA Title VI)	< 0.09 ppm	< 0.09 ppm
Linear Expansion - Maximum	0.35%	0.35%
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

