

**FIREWALLFR® IS A 50# PREMIUM INDUSTRIAL PARTICLEBOARD WITH 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	0.3%	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

