SDF

sustainable design fiberboard

Roseburg Medex®

MDF

Medex® is a sustainable, moisture resistant, medium density fiberboard (MDF) panel utilizing a synthetic resin system and pre-consumer recycled wood fiber. Medex® is engineered for interior high moisture areas in non-structural applications and is used in place of sanded plywood or solid wood. With the versatility of a superior composite wood panel and the enhancement of indoor air quality, Medex® has been specified in hundreds of commercial, institutional and conservator projects since the 1980s. Manufactured in Medford, OR.

Features & Benefits

- Awarded CARB NAF Exemption due to synthetic resin system
- Significantly exceeds standard MDF physical properties
- Meets physical properties of ANSI A208.2-2009 Grade 155 MR50
- Passes the ASTM D1037-06a six cycle accelerated aging test
- FSC® certified panels available upon request

Mill Capabilities

- Panels available in 4' and 5' widths and lengths up to 18'
- Thicknesses ranging from 1/4" - 1-1/4"
- Available in higher densities with a minimum order requirement
- Minimum order may be required for some sizes and thicknesses

Handling & Installation

- Store indoors on a flat, level surface with adequate support to prevent sagging
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures.
- For best results, Medex® should be conditioned to the environment 48-72 hours prior to installation.

Finishing Instructions

Guidelines for commercial signage applications are available on our website or by request from Roseburg.

How to Specify

Industrial Grade Medium Density Fiberboard (MDF), manufactured with a synthetic resin system which meets physical properties of ANSI A208.2-2009 Grade 155 specifications.

Limitations

Medex® is not suitable for structural applications, exterior siding or exterior trim.

Ideal Applications

- LEED® Projects
- Countertops
- Window Sills
- Bathroom & Kitchen Cabinets/Woodwork
- Bow & Bay Window Boards
- Display Cases
- Raised Panel Door Inserts

Revised 09/15

Technical Data	Imperial	Metric
Density	48 lb/ft^3	769 kg/m^3
Internal Bond	200 lb/in^2	1.38 N/mm^2
Modulus of Rupture	5,500 lb/in^2	37.89 N/mm^2
Modulus of Elasticity	600,000 lb/in^2	4,134 N/mm^2
Modulus of Hardness	1,200 lbs, Janka ball	5,115 N
Screw Holding, Face	325 lbs	1,446 N
Screw Holding, Edge	280 lbs	1,245 N
Thickness Tolerance	± 0.005 inch	± 0.127 mm
Thickness Swell	3%	
Linear Expansion	0.25%	
Water Absorption	6%	
Flame Spread Rating	Class 3 (C)	
Moisture Content	4-6%	
Formaldehyde Emissions	as low as 0.01 ppm	

Average physical properties for 3/4" panel, based on a 5 panel average, whentested in accordance with ASTM D1037. Specific design applications and technical data are available upon request. Emissions tested in accordance with ASTM E-1333.

SCS Certified
92% Pre-Consumer Recycled Content

FSC-C017580
The mark of responsible forestry
(Available upon request)

ECC Certified
Specification CPA ECC 4-11
CARB Third Porty Certifier
TPC-1

SCS Validation
No Added Formaldehyde

LEED® 2009 Credits Supported
Materials & Resources: 4, 5, 7
Indoor Environmental Quality: 4.4

LEED® v4 Credits Supported
Indoor Environmental Quality -
Low-Emitting Materials: Composite Wood Evaluation
Materials & Resources -
Building Product Disclosure and Optimization
- *Sourcing of Row Materials*
- *Material Ingredients*
- *Environmental Product Declaration*

CHPS Compliant
Meets Materials Specifications for VOE emissions section 01350

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