

PureKor® Product Selector

PureKor® Particleboard Plus

Industrial Grade
Urea-Formaldehyde Free
Moisture Resistant
Recycled Contents

2

LEED MR 4.1 & 4.2
LEED MR 5.1 & 5.2
LEED EQ 4.4

PureKor® Platinum Particleboard

Industrial Grade
FSC Certified
Urea-Formaldehyde Free
Recycled Contents

13

LEED MR 4.1 & 4.2
LEED MR 5.1 & 5.2
LEED MR 7.0
LEED EQ 4.4

PureKor® MDF Plus

Premium Grade
Urea-Formaldehyde Free
Recycled Contents

24

LEED MR 4.1 & 4.2
LEED EQ 4.4

PureKor® FSC MDF

Premium Grade
FSC Certified
Recycled Contents

35

LEED MR 4.1 & 4.2
LEED MR 7.0

PureKor® Platinum MDF

Premium Grade
Urea-Formaldehyde Free
FSC Certified
Recycled Contents

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LEED MR 4.1 & 4.2
LEED MR 7.0
LEED EQ 4.4

PureKor® FSC Plywood Plus

Industrial Grade
Urea-Formaldehyde Free
FSC Certified
Moisture Resistant
Structural Properties

57

LEED MR 5.1 & 5.2
LEED MR 7.0
LEED EQ 4.4



Sustainability, Quality, Service & Commitment

PureKor® Particleboard Plus

Industrial Grade

Urea-Formaldehyde Free

Moisture Resistant

Recycled Contents

LEED MR 4.1 & 4.2

LEED MR 5.1 & 5.2

LEED EQ 4.4

PUREKÖR™



PureKor® Particleboard Plus

Product Information

Key Product Features:

Urea Formaldehyde Free

Industrial Grade Quality

100% Post Industrial Recycled Wood Fiber

PureKor® Particleboard Plus is an Industrial Grade Particleboard (ANSI A208.1-2002 M2 Grade as per M ASTM E 1037-96a) manufactured from 100% post industrial recycled wood fiber and a moisture resistant resin containing no urea-formaldehyde. This product is suitable for use with LEED Credits EQ 4.4 and MR 5.1/5.2. It may also be suitable for Credits MR 4.1 & MR 4.2 depending on the project location.

PureKor® is free from warp when stored in accordance with generally recommended storage procedures for any high quality particleboard product. PureKor® panels like any premium composite panel should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 48 hours prior to use.

The average thickness tolerance within a panel equals a maximum of + or - .004". If sanding is required, you should sand equal amounts from both the face and the back of the panel. To do otherwise runs the risk of creating warp within the panel.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® PB plus to confirm its suitability for their laminating methods. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier.



PureKor® Particleboard Plus

Product Selection:

PureKor PB Plus is available in a variety of panel sizes and thicknesses, as shown in the following chart.

	49x97	49x121	49x145	61x97	61x121	61x145	Pieces per Lift:
1/4"	✓	✓		✓			100
3/8"	✓						72
7/16"	✓	✓	✓	✓	✓	✓	60
1/2"	✓	✓	✓	✓	✓	✓	50
9/16"	✓	✓		✓		✓	45
5/8"	✓	✓		✓		✓	40
11/16"	✓	✓	✓	✓	✓	✓	36
3/4"	✓	✓	✓	✓	✓	✓	34
1"	✓		✓			✓	25
1 1/8"	✓		✓			✓	23

Not all items are kept in our inventory at all times. Check with Panel Source for specific inquiries. Some items are subject to minimum volume orders.

Packaging and Product Weights

All PureKor® Particleboard Plus is packaged as follows: PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture.

Weights per unit:

49x97 Units:	3260 lbs	1480 kg
49x121 Units:	4080 lbs	1850 kg
49x145 Units:	4895 lbs	2220 kg
61x97 Units:	4080 lbs	1850 kg
61x121 Units:	5100 lbs	2315 kg
61x145 Units:	6120 lbs	2775 kg



PureKor® Particleboard Plus

Additional Products and Options

In addition to purchasing unfinished PureKor® Particleboard Plus panels, customers can also choose from all of these options:

Class A Fire Retardant

Panel Source is certified to produce Class A Fire Retardant Particleboard, under the company's brand name 'Pyroblock®'. Pyroblock® Particleboard Plus is a Class A Fire rated panel with a flamespread index (FSI) of < 25. Pyroblock Fire Retardant Particleboard has been specifically designed for the application of wood veneer, high pressure laminates or liquid finishes.

Melamine Laminates

Panel Source offers a wide selection of melamine laminate finishes on our PureKor® Particleboard. Choose from solid colors, patterns and numerous wood grains. Panel Source can match your selection with papers available from Formica®, Wilsonart®, Dynea®, and Coverright®. Panel Source keeps a good selection of melamine laminated PureKor® Particleboard Plus in stock for prompt shipment, including 4x8 panels in ¼", ½", 5/8", and ¾" in white, folkstone (gray), almond, black, hard rock maple and solar oak. Call toll free at 1-877-464-7246 for more details.

"Greet T" Hardwood Plywood

Utilizing a PureKor® Particleboard Plus Core, Panel Source offers a wide selection of natural hardwood plywood, in numerous species, grades and sizes. Again, call toll free -1-877-464-7246 to learn more.



PureKor® Particleboard Plus

PRODUCT DESCRIPTION

PRODUCT FEATURES

• BASIC USES / RELATED USES

- Particleboard that is urea-formaldehyde free, moisture resistant, Industrial Grade particleboard.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® Particleboard Plus: Made from wood fiber; urea-formaldehyde free.
- Moisture resistant.
- Odor free.

• APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- ANSI A208.1 - Particleboard.

• PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

- Should be kept clean, dry, and well supported at all times.
- Unaffected by freezing.
- Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
- Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
- All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
- Do not stack more than three units high.

• SPECIAL WARRANTY

- Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.

• LIMITATIONS

- Interior use only



PureKor® Particleboard Plus

• SAFETY PRECAUTIONS

- Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.

• AVAILABILITY

- Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult
- Panel Source for availability in your area.

• COST

- Consult Panel Source for specific product costs or relative costs.

PRODUCT PROPERTIES

• MATERIALS, COMPOSITION, PROPERTIES

• Technical Properties:

- Fiber Type:
PureKor® Plus Particleboard: Softwood fiber.
- Resin:
- PureKor® Plus: pMDI, formaldehyde free.
- Grade: Industrial.
- Density: 720 kg/cu m (45 lbs/cu ft).
- Internal Bond: 0.69 N/sq mm (100 psi).
- MOE: 2865 N/sq mm (415,000 psi).
- MOR: 25.4 N/sq mm (3680 psi).
- Hardness: 4225 N (950 lbs).
- Screw Hold (face): 1175 N (265 lbs).
- Screw Hold (edge) for Thicknesses: > 12.5 mm (½ inch): 1040 N (235 lb).
- Moisture Content: 5 - 6 %.
- Moisture Resistance: MR50.

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - 6.4 mm (1/4 inch) thick, 1245 x 2464 mm (49 x 97 inch) panels.
 - 9.5 mm (3/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1549 x 2464 mm (61 x 97 inch), 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
 - 11 mm (7/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) panels.
 - 12.7 mm (½ inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch), 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.



PureKor® Particleboard Plus

- 14.3 mm (9/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) panels.
- 16 mm (5/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), 1549 x 3073 mm (61 x 121 inch) panels.
- 17.5 mm (11/16 inch) thick 1245 x 2464 mm (49 x 97 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
- 19 mm (3/4 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
- 25 mm (1 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
- other sizes available on special order.
- Tolerance: +/-0.125 mm (+/-0.005") from nominal panel thickness.
- FINISH, COLOURS AND TEXTURES
 - Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.

PRODUCT PLACEMENT

- INSTALLATION
 - Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.

Classification and Filing

MasterFormat 1995:

Products

- 06050 - Particleboard
- 06055 - Medium Density Fiberboard (MDF)
- 06060 - Wood Materials

Applications

- 06120 - Structural Panels
- 06220 - Millwork



PureKor® Particleboard Plus

This section includes a manufacturer's guide specification for fire rated and non-rated softwood fiber. It also includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

In this article, select the components that are intended to be part of the content of this section and will not be included in other sections. Keep the statements brief and concise.

- .1 Rated and non-rated wood fiber particleboard..

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive particleboard.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive particleboard.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 ANSI A208.1 - Particleboard.

1.4 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] x [] mm ([] x [] feet) mock-up including xx
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install particleboard when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® Particleboard Plus

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 Panel Source:
 - .1 PureKor® Particleboard Plus.
- .2 Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

- .1 Particleboard Technical Properties:
 - .1 Fiber Type: Softwood fiber (PureKor® Particleboard Plus).
 - .2 Resin: pMDI, [urea-formaldehyde free]
 - .3 Grade: Industrial.
 - .4 Density: 720 kg/cu m (45 lbs/cu ft).
 - .5 Internal Bond: 0.69 N/sq mm (100 psi).
 - .6 MOE: 2865 N/sq mm (415,000 psi).
 - .7 MOR: 25.4 N/sq mm (3680 psi).
 - .8 Hardness: 4225 N (950 lb).
 - .9 Screw Hold (Face): 1175 N (265 lb).
 - .10 Screw Hold (Edge): For thickness greater than 12.5 mm (1/2), 1040 N (235 lb).

2.3 FINISHES

- .1 Concealed Steel Items: Galvanized in accordance with ASTM A123 to [610 [] g/sq m ([2.0] [] oz/sq ft).
- .2 Apply [one coat] [] coats] of bituminous paint to concealed metal surfaces in contact with cementations or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install particleboard in locations indicated on drawings and as specified.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® Particleboard Plus

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor Particleboard Plus

Section 2 - Composition / Information on Ingredients

Chemical Name (Ingredients):

	PERCENTAGE	OSHA PEL	OSHA STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
Softwood Fiber*	50 - 95%	10 mg/m ³	None	5 mg/m ³	10 mg/m ³
Hardwood Fiber	50 - 95%	10 mg/m ³	None	1 mg/m ³	None
Formaldehyde	<0.1%	0.75 ppm	2 ppm	N/A	0.3 ppm(C)

*The product may release small quantities of formaldehyde in gaseous form. Emissions decrease through time as the panels age. Manual or mechanical cutting or abrasion processes performed on the product can result in generation of wood dust.

Section 3 - Physical and Chemical Properties

Physical State: Solid

Solubility: N/A

Appearance and Odor: light yellow, to light brown with light wood odor.

Solubilities: N/A

Specific Gravity: <1

pH: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



PureKor® Particleboard Plus

Section 5 - Stability and Reactivity

Stability: Panel Source PureKor Particleboard Plus is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 1.1 original 2/24/04

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Panel Source. The data on this sheet relates only to the specific material designated herein. Panel Source assumes no legal responsibility for use or reliance upon these data.



Sustainability, Quality, Service & Commitment

PureKor® Platinum Particleboard

FSC Certified

Industrial Grade

Urea-Formaldehyde Free

Moisture Resistant

Recycled Contents

LEED MR 4.1 & 4.2

LEED MR 5.1 & 5.2

LEED MR 7.0

LEED EQ 4.4



PureKor® Platinum Particleboard

Product Information

Key Product Features:

FSC Certified

Urea Formaldehyde Free

100% Pre-Consumer Recycled Content

Complete Selection of Panel Sizes

Available in Class A Fire Retardant

PureKor® Platinum Grade Particleboard is specifically designed for use on GOLD and PLATINUM LEED® Rated Construction Projects, or wherever multiple LEED® Credits are required.

PureKor® Platinum Grade Particleboard is the world's only particleboard panel that is both FSC Certified and Urea Formaldehyde Free. The panel is also available as a Class A Fire Retardant Panel with a Flame Spread of <25.

Pyroblock® Platinum Grade Particleboard is a premium grade particleboard panel produced in accordance with the requirements of ANSI A208.1-2002 asper ASTM E 1037-96a manufactured from FSC Certified Fiber and a ureaformaldehyde free resin.

PureKor® Platinum Particleboard is free from warp when stored in accordance with generally recommended storage procedures for any high quality particleboard product. PureKor® panels like any premium composite panel should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 48 hours prior to use.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® Platinum Particleboard to confirm its suitability for their laminating methods. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier.



PureKor® Platinum Particleboard

Physical Properties & Specifications:

	Commercial	Industrial
Density	42 lbs/ft3	45 lbs/ft3
Internal Bond	90 psi	110 psi
MOR 1	980 psi	2320 psi
MOE	295,000 psi	340,000 psi
Screw Holding: Face	210 lbs	280 lbs
Screw Holding: Edge	180 lbs	220 lbs
Tolerances:		
Thickness	± .003"	± .003"
Length/Width	± 1/16"	± 1/16"
Squareness	± 1/32" per foot of width	± 1/32" per foot of width

Packaging and Product Weights

All PureKor® Platinum Grade particleboard is packaged to the following specifications:

PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture.

Piece Counts

	Pieces per Lift:
3/8"	75
1/2"	50
5/8"	40
11/16"	36
3/4"	34
1"	25
1 1/8"	22
1 1/4"	20



PureKor® Platinum Particleboard

Additional Products and Options

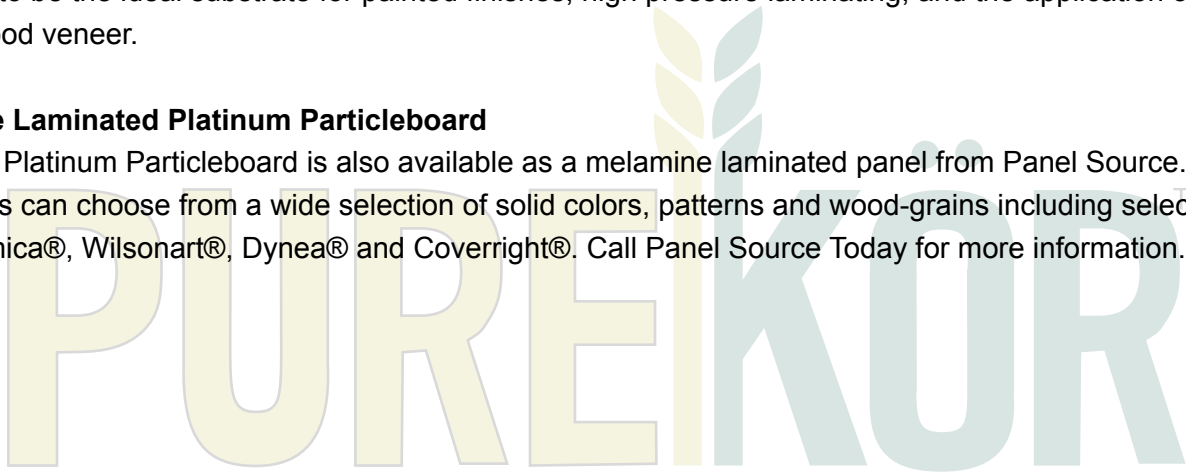
In addition to purchasing unfinished PureKor® Platinum Particleboard panels, customers can also choose from all of these options:

Pyroblock® Platinum Particleboard

Pyroblock® is a Class A Fire Retardant panel that includes all of the Platinum Particleboard Features: FSC Certified, Urea Formaldehyde Free and moisture resistant. Pyroblock® Platinum Particleboard has been designed to be the ideal substrate for painted finishes, high pressure laminating, and the application of high quality wood veneer.

Melamine Laminated Platinum Particleboard

Purekor® Platinum Particleboard is also available as a melamine laminated panel from Panel Source. Customers can choose from a wide selection of solid colors, patterns and wood-grains including selections from Formica®, Wilsonart®, Dynea® and Coverright®. Call Panel Source Today for more information.



PureKor® Platinum Particleboard

PRODUCT DESCRIPTION

PRODUCT FEATURES

• BASIC USES / RELATED USES

- Particleboard that is urea-formaldehyde free, moisture resistant, Industrial Grade particleboard.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® Particleboard Platinum: Made from FSC certified wood fiber; urea-formaldehyde free.
- Moisture resistant.
- Odor free.

• APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- ANSI A208.1 - Particleboard.
- .

• QUALITY STATEMENT, TESTS, AND CERTIFICATIONS

- FSC Chain of Custody Certification: SCS-COC-001034

• PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

- Should be kept clean, dry, and well supported at all times.
- Unaffected by freezing.
- Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
- Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
- All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
- Do not stack more than three units high.

• SPECIAL WARRANTY

- Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.



PureKor® Platinum Particleboard

• LIMITATIONS

- Interior use only

• SAFETY PRECAUTIONS

- Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.

• AVAILABILITY

- Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult
- Panel Source for availability in your area.

• COST

- Consult Panel Source for specific product costs or relative costs.

PRODUCT PROPERTIES

• MATERIALS, COMPOSITION, PROPERTIES

- Technical Properties:
 - ♦ Fiber Type: Softwood fiber
 - ♦ Resin: pMDI, formaldehyde free.
 - ♦ Grade: Industrial.
 - ♦ Density: 720 kg/cu m (45 lbs/cu ft).
 - ♦ Internal Bond: 0.70 N/sq mm (110 psi).
 - ♦ MOE: 2865 N/sq mm (415,000 psi).
 - ♦ MOR: 25.4 N/sq mm (3680 psi).
 - ♦ Hardness: 4225 N (950 lbs).
 - ♦ Screw Hold (face): 1245 N (280 lbs).
 - ♦ Screw Hold (edge) for Thicknesses: > 12.5 mm (½ inch): 1045 N (235 lb).
 - ♦ Moisture Content: 5 - 6 %.
 - ♦ Moisture Resistance: MR50.



PureKor® Platinum Particleboard

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - 9.5 mm (3/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1549 x 2464 mm (61 x 97 inch), 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
 - 12.7 mm (½ inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
 - 16 mm (5/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), 1549 x 3073 mm (61 x 121 inch) panels.
 - 17.5 mm (11/16 inch) thick 1245 x 2464 mm (49 x 97 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
 - 19 mm (3/4 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) , 1549 x 2769 mm (61 x 109 inch), and 1549 x 3073 mm (61 x 121 inch) panels.
 - 25 mm (1 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - other sizes available on special order.
- Tolerance: +/-0.08 mm (+/-0.003") from nominal panel thickness.

• FINISH, COLOURS AND TEXTURES

- Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.

PRODUCT PLACEMENT

• INSTALLATION

- Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.

Classification and Filing

MasterFormat 1995:

Products

06050 - Particleboard

06055 - Medium Density Fiberboard (MDF)

06060 - Wood Materials

Applications

06120 - Structural Panels

06220 - Millwork



PureKor® Platinum Particleboard

This section includes a manufacturer's guide specification for fire rated and non-rated softwood fiber. It also includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

In this article, select the components that are intended to be part of the content of this section and will not be included in other sections. Keep the statements brief and concise.

- .1 Rated and non-rated wood fiber particleboard..

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive particleboard.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive particleboard.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 ANSI A208.1 - Particleboard.
- .3 FSC: SCS-COC-001034

1.4 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] mm ([] feet) mock-up including xx
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install particleboard when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® Platinum Particleboard

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 Panel Source: PureKor® Platinum Particleboard.
- .2 Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

- .1 Particleboard Technical Properties:
 - .1 Fiber Type:
 - 1 Softwood fiber
 - 2. FSC Certified Content: SCS-COC-001034
 - .2 Resin: pMDI, [urea-formaldehyde free]
 - .3 Grade: Industrial.
 - .4 Density: 720 kg/cu m (45 lbs/cu ft).
 - .5 Internal Bond: 0.70 N/sq mm (110 psi).
 - .6 MOE: 2865 N/sq mm (415,000 psi).
 - .7 MOR: 25.4 N/sq mm (3680 psi).
 - .8 Hardness: 4225 N (950 lb).
 - .9 Screw Hold (Face): 1245 N (280 lb).
 - .10 Screw Hold (Edge): For thickness greater than 12.5 mm (1/2), 1045 N (235 lb).

2.3 FINISHES

- .1 Concealed Steel Items: Galvanized in accordance with ASTM A123 to [610 [] g/sq m ([2.0] [] oz/sq ft).
- .2 Apply [one coat] [] coats] of bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install particleboard in locations indicated on drawings and as specified.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® Platinum Particleboard

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor Platinum Particleboard

Section 2 - Composition / Information on Ingredients

Formaldehyde: CAS No. 50-00-0, 0.1 - 0.5% by weight as free formaldehyde

Exposure Limits: OSHA; 0.75 ppm 8 hour TWA, 2.0 ppm STEL. ACGGIH: 0.3 ppm Ceiling.

Toxicity: skn-rbt LD50: 270 mg/kg; orl-rbt DL50: 100 mg/kg; inh-rat LC50: 200 mg/m³/4h

Warning: Formaldehyde is classified as an IARC Group I Human carcinogen (nose and pharynx) and a potential human carcinogen by NTP and OSHA. It is irritating and potentially harmful to the eyes, skin, and respiratory system and may cause skin allergies to sensitive individuals.

Melamine: CAS No. 108-78-1, 1.0 - 3.0% by weight

Exposure limits: None listed.

Toxicity: Skn-rbtLD50: >3000 mg/kg; oral-rat LD50: 3161 mg/kg

Moderately toxic by ingestion and intraperitoneal routes. An eye, skin, and mucous membrane irritant.TM

Causes dermatitis in humans. Questionable carcinogen with experimental carcinogenic and tumorigenic data

Experimental reproductive effects. Mutation data reported.

Section 3 - Physical and Chemical Properties

Physical State: Solid

Solubility: N/A

Appearance and Odor: light yellow, to light brown
with light wood odor.

Solubilities: N/A

Specific Gravity: <1

pH: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



PureKor® Platinum Particleboard

Section 5 - Stability and Reactivity

Stability: Panel Source PureKor Platinum Particleboard is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 1.1 original 09/30/07

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Panel Source. The data on this sheet relates only to the specific material designated herein. Panel Source assumes no legal responsibility for use or reliance upon these data.



Sustainability, Quality, Service & Commitment

PureKor® MDF Plus

Recovered/Recycled Wood Fiber

Premium Grade

Urea-Formaldehyde Free

LEED MR 4.1 & 4.2

LEED EQ 4.4

PUREKÖR™



PureKor® MDF Plus

Product Information

Key Product Features:

Urea Formaldehyde Free

Premium Grade

100% Post Industrial Recycled Wood Fiber

PureKor® MDF Plus is a Premium Grade Medium Density Fiberboard (MDF) manufactured to equal or exceed all requirements of ANSI A208.2-2002 Premium Grade 140 as per ASTM D 1037-96a Part A. PureKor® MDF Plus is manufactured from 100% pre consumer recycled wood fibers and a urea formaldehyde free resin. The recycled fiber content and no added urea formaldehyde feature is certified to these standards by Scientific Certification Systems, a third party, independent certification agency.

PureKor® is free from warp when stored in accordance with generally recommended storage procedures for any high quality MDF product. PureKor® panels, like any premium composite panel, should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 24 hours prior to use.

PureKor® is supplied as a fully sanded (120 Grit) panel. Average thickness tolerance per a panel is +.005"/-0.005". If sanding is required, you should sand equal amounts from both the face and the back of the panel. To do otherwise runs the risk of creating warp within the panel.

PureKor® is ideally suited for use in the LEED® Rating System, available from the United States Green Building Council (www.usgbc.org). Applicable credits include MR 4.1, MR 4.2, EQ 4.4, and depending on the project location MR 5.1 and MR 5.2.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® MDF Plus to confirm its suitability for their laminating methods. Generally, one should avoid exposing the product to sustained periods of high temperatures in excess of 3800F. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier.



PureKor® MDF Plus

Product Selection:

PureKor® MDF Plus is available in a variety of panel sizes and thicknesses, as shown in the following chart.

	49x97	49x109	49x121	61x97	61x109	61x121	Pieces per Lift:
1/4"	✓						110
3/8"	✓						80
1/2"	✓	✓	✓	✓		✓	60
5/8"	✓	✓		✓			48
11/16"	✓	✓	✓	✓		✓	44
3/4"	✓	✓	✓	✓		✓	40
1"	✓		✓				30
1-1/8"	✓		✓				26
1-1/4"	✓				✓	✓	24

Not all items are kept in our inventory at all times. Check with Panel Source for specific inquiries. Some items are subject to minimum volume orders.

Packaging and Product Weights

All PureKor® MDF Plus is packaged as follows: PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture.

Weights per unit:

49x97 Units:	3955 lbs	1480 kg
49x109 Units:	4450 lbs	2018 kg
49x121 Units:	4945 lbs	2243 kg
61x97 Units:	4945 lbs	2243 kg
61x109 Units:	5565 lbs	2525 kg
61x121 Units:	6185 lbs	2805 kg



PureKor® MDF Plus

Additional Products and Options

In addition to purchasing unfinished PureKor® MDF Plus panels, customers can also choose from all of these options:

Class A Fire Retardant

Panel Source is certified to produce Class A Fire Retardant MDF, under the company's brand name 'Pyroblock®'. Pyroblock® MDF Plus is a Class A Fire rated panel with a flame spread index (FSI) of < 25. Pyroblock Fire Retardant MDF has been specifically designed for the application of wood veneer, high pressure laminates or liquid finishes. It can be painted, laminated or veneered without affecting the fire rating.

Melamine Laminates

Panel Source offers a wide selection of melamine laminate finishes on our PureKor® MDF. Choose from solid colors, patterns and numerous wood grains. Panel Source can match your selection with papers available from Formica®, Wilsonart®, Dynea®, and Coverright®. Panel Source keeps a good selection of melamine laminated PureKor® MDF Plus in stock for prompt shipment, including panels in white, folkstone (gray), almond, black, hard rock maple and solar oak. Call toll free at 1-877-464-7246 for more details.



PureKor® MDF Plus

PRODUCT DESCRIPTION

PRODUCT FEATURES

- BASIC USES / RELATED USES

- Medium density fiberboard (MDF) that is urea-formaldehyde free, moisture resistant, premium MDF.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

- PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® MDF Plus is urea-formaldehyde free.
- Moisture resistant.
- Made from 100% recovered/recycled wood.
- Odor free.

- SELECTION CRITERIA

- Standard sizes are available - other sizes on special order.
- Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.
- Can be sawn without affecting the fire rating

- APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications.

- PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

- Should be kept clean, dry, and well supported at all times.
- Unaffected by freezing.
- Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
- Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
- All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
- Do not stack more than three units high.



PureKor® MDF Plus

- SPECIAL WARRANTY

- Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.

- LIMITATIONS

- Interior use only

- SAFETY PRECAUTIONS

- Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.

- AVAILABILITY

- Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult
- Panel Source for availability in your area.

- COST

- Consult Panel Source for specific product costs or relative costs.

- MATERIALS, COMPOSITION, PROPERTIES

- Technical Properties:

- Fiber Type: 100% recovered/recycled wood.

PureKor® Plus Particleboard: Softwood fiber.

- Resin: PureKor® MDF Plus: pMDI, urea-formaldehyde free.

- Grade: Premium.

- Density: 770 kg/m³ (48 lbs/ft³).

- Internal Bond: 0.7 N/sq mm (115 psi).

- MOE: 3485 N/sq mm (505,000 psi).

- MOR: 32.4 N/sq mm (4700 psi)

- Hardness: 4500 N (1000 lb).

- Screw Hold (face): 1260 N (285 lbs).

- Screw Hold (Edge) for Thicknesses: >12.5 mm (1/2 inch): 1130 N (255 lb).

- Moisture Content: 4 - 6 %.

- Moisture Resistance: MR50.

PRODUCT PROPERTIES



PureKor® MDF Plus

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - ♦ 9.5 mm (3/8 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ 11 mm (7/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) panels.
 - ♦ 12.7 mm (½ inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ 14.3 mm (9/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels, subject to minimum orders.
 - ♦ 16 mm (5/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ 17.5 mm (11/16 inch) thick 1245 x 2464 mm (49 x 97 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ 19 mm (3/4 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ 25 mm (1 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - ♦ other sizes available on special order.
- Tolerance: +/-0.125 mm (+/-0.005") from nominal panel thickness.

PRODUCT PLACEMENT

• INSTALLATION

- Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.

Classification and Filing

MasterFormat 1995:

Products

06050 - Particleboard

06055 - Medium Density Fiberboard (MDF)

06060 - Wood Materials

Applications

06120 - Structural Panels

06220 - Millwork



PureKor® MDF Plus

This section includes a manufacturer's guide specification for fire rated and non-rated medium density fiberboard for interior applications. This section includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Non-rated medium density fiberboard (MDF).

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive MDF.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive MDF.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications

1.4 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] mm ([] feet) mock-up including adjacent and supporting construction
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install MDF when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® MDF Plus

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 Panel Source: PureKor® MDF Plus.
- .2 Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

MDF Technical Properties:

- .1 Fiber Type: 100% recovered/recycled wood.
- .2 Resin: pMDI, [urea-formaldehyde free]
- .3 Grade: Premium..
- .4 Density: 770 kg/cu m (48 lbs/cu ft).
- .5 Internal Bond: 0.7 N/sq mm (115 psi).
- .6 MOE: 3485 N/sq mm (505,000 psi).
- .7 MOR: 32.4 N/sq mm (4700 psi).
- .8 Hardness: 4500 N (1000 lb).
- .9 Screw Hold (Face): 1260 N (285 lb).
- .10 Screw Hold (Edge) for Thickness: 13 mm (1/2 inch) thick, 1130 N (255 lb).

2.3 FINISHES

- .1 Finish Coatings: Standard light beige coating on [one side] [two sides].
- .2 Concealed Steel Items: Galvanized in accordance with ASTM A123 to 610 g/sq m (2.0 oz/sq ft).
- .3 Apply [one coat] [] coats] of bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install MDF in locations indicated on drawings and as specified by specifications.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 CLEANING

Include this article when MDF will be used in a decorative or other application where an exposed finish surface exists.

Include .2 if sealant will be used to seal the finished surface.

- .1 Section 01700: Cleaning installed work after painting/finishing.
- .2 Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

3.4 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® MDF Plus

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor MDF Plus

Section 2 - Composition / Information on Ingredients

Component:	Exposure Limit (OSHA)
Wood Dust/Fiber	15 mg/m ³ total dust 8-hr TWA
	5 mg/m ³ respirable fraction 8-hr TWA

Section 3 - Physical and Chemical Properties

Physical State: Solid	Solubility: N/A
Appearance and Odor: light yellow, to light brown with light wood odor.	Solubilities: N/A
Specific Gravity: <1	pH: N/A
Boiling Point: N/A	Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: Panel Source PureKor MDF Plus is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.



PureKor® MDF Plus

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 2.0 modified 08/10/06, original 2/24/04

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Panel Source. The data on this sheet relates only to the specific material designated herein. Panel Source assumes no legal responsibility for use or reliance upon these data.



Sustainability, Quality, Service & Commitment

PureKor® FSC Certified MDF

(FSC) Certified 100%

Premium Grade

100% Recycled Content

LEED MR 4.1 & 4.2

LEED MR 7.0

PUREKÖR™



PureKor® FSC Certified MDF

Product Information

Key Product Features:

100% FSC Certified

Premium Grade

100% Post Industrial Recycled Wood Fiber

PureKor® FSC Certified MDF is a Premium Grade Medium Density Fiberboard (MDF) manufactured to equal or exceed all requirements of ANSI A208.2-2002 Premium Grade 150 as per ASTM D 1037-96a Part A. PureKor® FSC Certified MDF is manufactured from 100% FSC Certified Fiber. Panel Source has Forest Stewardship Council Chain-of-Custody Certification through Scientific Certification Systems (SCS). Certification Reference Number: SCS-COC-001034. The product is manufactured from 100% pine fiber, for exceptional stability, machining quality and color.

PureKor® is free from warp when stored in accordance with generally recommended storage procedures for any high quality MDF product. PureKor® panels, like any premium composite panel, should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 24 hours prior to use.

PureKor® is supplied as a fully sanded (180 Grit) panel. Average thickness tolerance per a panel is $+.005''/-0.005''$. If sanding is required, you should sand equal amounts from both the face and the back of the panel. To do otherwise runs the risk of creating warp within the panel.

PureKor® is ideally suited for use in the LEED® Rating System, available from the United States Green Building Council (www.usgbc.org). Applicable credits include MR 4.1, MR 4.2, MR 7.0.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® FSC Certified MDF to confirm its suitability for their laminating methods. Generally, one should avoid exposing the product to sustained periods of high temperatures in excess of 380°F. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier.



PureKor® FSC Certified MDF

Product Selection:

PureKor® FSC Certified MDF is available in a variety of panel sizes and thicknesses, as shown in the following chart

	49x97	49x121	61x97	Pieces per Lift:
2.3mm	✓		✓	183
3.2mm	✓		✓	110
6.0mm	✓	✓	✓	100
1/2"	✓	✓		66
5/8"	✓	✓	✓	53
11/16"	✓	✓	✓	48
3/4"	✓	✓	✓	44
1"	✓	✓	✓	33

Not all items are kept in our inventory at all times. Check with Panel Source for specific inquiries. Some items are subject to minimum volume orders.

Packaging and Product Weights

All PureKor® FSC Certified MDF is packaged as follows: PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture.

Weights per unit:

49x97 Units:	4065 lbs	1845 kg
49x121 Units:	5080 lbs	2305 kg
61x97 Units:	5080 lbs	2305 kg



PureKor® FSC Certified MDF

Additional Products and Options

In addition to purchasing unfinished PureKor® FSC Certified MDF panels, customers can also choose from all of these options:

Class A Fire Retardant

Panel Source is certified to produce Class A Fire Retardant MDF, under the company's brand name 'Pyroblock®'. Pyroblock® FSC Certified MDF is a Class A Fire rated panel with a flame spread index (FSI) of < 25. Pyroblock Fire Retardant MDF has been specifically designed for the application of wood veneer, high pressure laminates or liquid finishes. It can be painted, laminated or veneered without affecting the fire rating.

Melamine Laminates

Panel Source offers a wide selection of melamine laminate finishes on our PureKor® MDF. Choose from solid colors, patterns and numerous wood grains. Panel Source can match your selection with papers available from Formica®, Wilsonart®, Dynea®, and Coverright®. Panel Source keeps a good selection of melamine laminated PureKor® FSC Certified MDF in stock for prompt shipment, including panels in white, folkstone (gray), almond, black, hard rock maple and solar oak. Call toll free at 1-877-464-7246 for more details



PureKor® FSC Certified MDF

PRODUCT DESCRIPTION

PRODUCT FEATURES

• BASIC USES / RELATED USES

- Medium density fiberboard (MDF) that is urea-formaldehyde free, moisture resistant, premium MDF.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® FSC MDF contains No urea-formaldehyde.
- Contains 100% FSC Certified Wood Fiber
- Moisture resistant.
- Odor free.

• SELECTION CRITERIA

- Standard sizes are available - other sizes on special order.
- Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.
- Can be sawn without affecting the fire rating

• APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications.

• QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS

- FSC Chain of Custody: SCS-COC-001034

• PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

- Should be kept clean, dry, and well supported at all times.
- Unaffected by freezing.
- Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
- Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
- All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
- Do not stack more than three units high.



PureKor® FSC Certified MDF

- SPECIAL WARRANTY

- Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.

- LIMITATIONS

- Interior use only

- SAFETY PRECAUTIONS

- Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.

- AVAILABILITY

- Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult
- Panel Source for availability in your area.

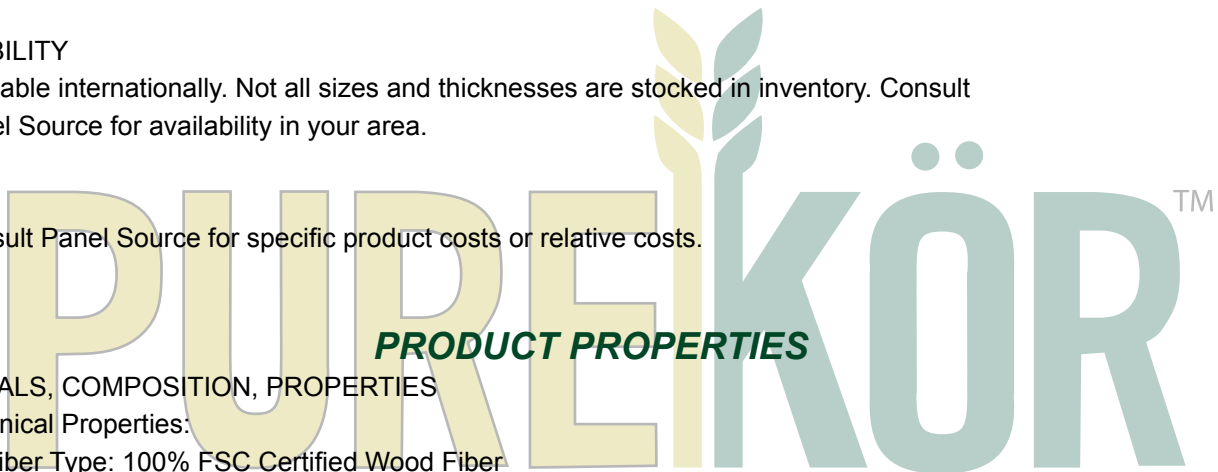
- COST

- Consult Panel Source for specific product costs or relative costs.

- MATERIALS, COMPOSITION, PROPERTIES

- Technical Properties:

- Fiber Type: 100% FSC Certified Wood Fiber
- Resin: PureKor® FSC MDF, urea-formaldehyde free.
- Grade: Premium.
- Density: 770 kg/m³ (48 lbs/ft³).
- Internal Bond: 0.7 N/sq mm (115 psi).
- MOE: 3485 N/sq mm (505,000 psi).
- MOR: 32.4 N/sq mm (4700 psi)
- Hardness: 4500 N (1000 lb).
- Screw Hold (face): 1260 N (285 lbs).
- Screw Hold (Edge) for Thicknesses: >12.5 mm (1/2 inch): 1130 N (255 lb).
- Moisture Content: 4 - 6 %.
- Moisture Resistance: MR50.



PureKor® FSC Certified MDF

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - 9.5 mm (3/8 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - 11 mm (7/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels..
 - 12.7 mm (½ inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - 14.3 mm (9/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels, subject to minimum orders.
 - 16 mm (5/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - 17.5 mm (11/16 inch) thick 1245 x 2464 mm (49 x 97 inch), 1245 x 3073 mm (49 x 121 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - 19 mm (3/4 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - 25 mm (1 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - other sizes available on special order.
- Tolerance: +/-0.125 mm (+/-0.005") from nominal panel thickness.

PRODUCT PLACEMENT

• INSTALLATION

- Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.

Classification and Filing

MasterFormat 1995:

Products

06050 - Particleboard

06055 - Medium Density Fibreboard (MDF)

06060 - Wood Materials

Applications

06220 - Millwork (finish)



PureKor® FSC Certified MDF

This section includes a manufacturer's guide specification for fire rated and non-rated medium density fiberboard for interior applications. This section includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Non-rated medium density fiberboard (MDF).

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive MDF.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive MDF.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications
- .3 FSC Chain of Custody Certification: SCS-COC-001034

1.4 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] x [] mm ([] x [] feet) mock-up including adjacent and supporting construction
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install MDF when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® FSC Certified MDF

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 Panel Source: PureKor® FSC MDF.
- .2 Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

MDF Technical Properties: (Specify FSC Certified below only with PureKor FSC MDF Board

- .1 Fiber Type: 100% recovered/recycled radiata pine softwood. (SCS-COC-001034).
- .2 Resin: [urea-formaldehyde free]
- .3 Grade: Premium..
- .4 Density: 770 kg/cu m (48 lbs/cu ft).
- .5 Internal Bond: 0.7 N/sq mm (115 psi).
- .6 MOE: 3485 N/sq mm (505,000 psi).
- .7 MOR: 32.4 N/sq mm (4700 psi).
- .8 Hardness: 4500 N (1000 lb).
- .9 Screw Hold (Face): 1260 N (285 lb).
- .10 Screw Hold (Edge) for Thickness: 13 mm (1/2 inch) thick, 1130 N (255 lb).

2.3 FINISHES

- .1 Concealed Steel Items: Galvanized in accordance with ASTM A123 to 610 g/sq m (2.0 oz/sq ft).
- .2 Apply [one coat] [coats] of bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install MDF in locations indicated on drawings and as specified by specifications.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 CLEANING

Include this article when MDF will be used in a decorative or other application where an exposed finish surface exists.

Include .2 if sealant will be used to seal the finished surface.

- .1 Section 01700: Cleaning installed work after painting/finishing.
- .2 Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

3.4 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® FSC Certified MDF

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor FSC Certified MDF

Section 2 - Composition / Information on Ingredients

Chemical Name (Ingredients):

PERCENTAGE EXPOSURE STANDARD

Softwood Fiber	>80%	5 mg/m ³ average over 8 hrs. 10 mg/m ³ average over any 15 min. period.
Urea/melamine/Phenol		
Formaldehyde Resins	<19%	1.0ppm ceiling limit
Paraffin wax	<1% 2mg/m ³	average over 8 hrs

Section 3 - Physical and Chemical Properties

Physical State: Solid	Solubility: N/A
Appearance and Odor: light yellow, to light brown with light wood odor.	Solubilities: N/A
Specific Gravity: <1	pH: N/A
Boiling Point: N/A	Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



PureKor® FSC Certified MDF

Section 5 - Stability and Reactivity

Stability: PureKor FSC Certified MDF is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 2.1 modified 07/31/07, original 2/24/04

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Panel Source. The data on this sheet relates only to the specific material designated herein. Panel Source assumes no legal responsibility for use or reliance upon these data.



Sustainability, Quality, Service & Commitment

PureKor® Platinum MDF

Premium Grade

Urea-Formaldehyde Free

100% FSC Certified

Recycled Contents

LEED MR 4.1 & 4.2

LEED MR 7.0

LEED EQ 4.4

PUREKÖR™



PureKor® Platinum MDF

Product Information

Key Product Features:

100% FSC Certified

Urea Formaldehyde Free

100% Pre-Consumer Recycled Content

Moisture Resistant

Available in Class A Fire RetardantP

PureKor® Platinum Grade MDF is specifically designed for use on GOLD and PLATINUM LEED® Rated Construction Projects, or wherever multiple LEED® Credits are required.

PureKor® Platinum Grade MDF is the world's only MDF panel that is both FSC Certified and Urea Formaldehyde Free. The panel is highly moisture resistant, and is also available as a Class A Fire Retardant Panel with a Flame Spread of <25.

Pyroblock® Platinum Grade MDF is a premium grade MDF panel produced in accordance with the requirements of ANSI A208.2-2002 as per ASTM E 1037-96a manufactured from 100% FSC Certified Fiber and a moisture resistant and urea-formaldehyde free resin.

PureKor® Platinum MDF is free from warp when stored in accordance with generally recommended storage procedures for any high quality MDF product. PureKor® panels like any premium composite panel should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 48 hours prior to use.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® Platinum MDF to confirm its suitability for their laminating methods. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier.



PureKor® Platinum MDF

Product Selection:

PureKor® Platinum Grade MDF is available in a variety of panel sizes and thicknesses, as shown in the following chart.

	49x97	49x121	61x97	Pieces per Lift:
2.3mm	✓			183
3.2mm	✓	✓	✓	110
5.2mm	✓	✓	✓	100
1/2"	✓	✓		66
5/8"	✓	✓	✓	53
11/16"	✓	✓	✓	48
3/4"	✓	✓	✓	44

Not all items are kept in our inventory at all times. Check with Panel Source for specific inquiries. Some items are subject to minimum volume orders.

Packaging and Product Weights

All PureKor® Platinum Grade MDF is packaged as follows: PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture.

Weights per unit:

49x97 Units:	4150 lbs	1885 kg
49x109 Units:	4670 lbs	2120 kg
49x121 Units:	5190 lbs	2355 kg
61x97 Units:	5190 lbs	2355 kg



PureKor® Platinum MDF

Additional Products and Options

In addition to offering unfinished panels of Purekor® Platinum MDF, Panel Source also offers all of the following products and production options:

Platinum HDF

Purekor® Platinum HDF is a high density (58-60 lbs/cubic foot) fiberboard panel that is urea formaldehyde free and 100% FSC certified. Available in thicknesses of 2.3mm, 2.5mm, 2.8mm, 3.0mm and 3.2mm, this is the ideal cross banding material for architectural grade hardwood plywood and solid core doors.

Pyroblock® Platinum MDF

Pyroblock® is a Class A Fire Retardant panel that includes all of the Platinum MDF Features: FSC Certified, Urea Formaldehyde Free and moisture resistant. Pyroblock® Platinum MDF has been designed to be the ideal substrate for painted finishes, high pressure laminating, and the application of high quality wood veneer.

Melamine Laminated Platinum MDF

Purekor® Platinum MDF is also available as a melamine laminated panel from Panel Source. Customers can choose from a wide selection of solid colors, patterns and wood-grains including selections from Formica®, Wilsonart®, Dynea® and Coverright®. Call Panel Source Today for more information



PureKor® Platinum MDF

PRODUCT DESCRIPTION

PRODUCT FEATURES

• BASIC USES / RELATED USES

- Medium density fiberboard (MDF) that is urea-formaldehyde free, moisture resistant, premium MDF.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® FSC MDF is a urea-formaldehyde free panel product.
- Contains 100% FSC Certified Wood Fiber
- Performance exceeds the requirements for MR 50 Moisture resistant panel products.
- Odor free.

• SELECTION CRITERIA

- Standard sizes are available - other sizes on special order.
- Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.
- Can be sawn without affecting the fire rating

• APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications.

• QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS

- FSC Chain of Custody: SCS-COC-001034

• PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS

- Should be kept clean, dry, and well supported at all times.
- Unaffected by freezing.
- Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
- Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
- All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
- Do not stack more than three units high.



PureKor® Platinum MDF

- SPECIAL WARRANTY

- Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.

- LIMITATIONS

- Interior use only

- SAFETY PRECAUTIONS

- Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.

- AVAILABILITY

- Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult
- Panel Source for availability in your area.

- COST

- Consult Panel Source for specific product costs or relative costs.

- MATERIALS, COMPOSITION, PROPERTIES

- Technical Properties:

- Fiber Type: 100% FSC Certified Wood Fiber
- Resin: pMDI - Contains no Urea Formaldehyde.
- Grade: Premium.
- Density: 770 kg/m³ (48 lbs/ft³).
- Internal Bond: 0.7 N/sq mm (115 psi).
- MOE: 3485 N/sq mm (505,000 psi).
- MOR: 32.4 N/sq mm (4700 psi)
- Hardness: 4500 N (1000 lb).
- Screw Hold (face): 1260 N (285 lbs).
- Screw Hold (Edge) for Thicknesses: >12.5 mm (1/2 inch): 1130 N (255 lb).
- Moisture Content: 4 - 6 %.
- Moisture Resistance: MR50.



PureKor® Platinum MDF

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - 2.3 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels.
 - 3.0 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 3.2 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 4.7 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 5.2 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 5.6 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 6.0 mm, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 6.4 mm (1/4"), 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97) panels
 - 9.5 mm (3/8 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - 11 mm (7/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels.
 - 12.7 mm (1/2 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - 14.3 mm (9/16 inch) thick, 1245 x 2464 mm (49 x 97 inch) and 1549 x 2464 mm (61 x 97 inch) panels, subject to minimum orders.
 - 16 mm (5/8 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - 17.5 mm (11/16 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 3073 mm (49 x 121 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - 19 mm (3/4 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1245 x 2769 mm (49 x 109 inch), 1245 x 3073 mm (49 x 121 inch), and 1549 x 2464 mm (61 x 97 inch) panels.
 - 25 mm (1 inch) thick, 1245 x 2464 mm (49 x 97 inch), 1549 x 2464 mm (61 x 97 inch) panels.
 - other sizes available on special order.
- Tolerance: +/-0.125 mm (+/-0.005") from nominal panel thickness.

PRODUCT PLACEMENT

• INSTALLATION

- Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.



PureKor® Platinum MDF

This section includes a manufacturer's guide specification for fire rated and non-rated medium density fiberboard for interior applications. This section includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Rated & Non-rated medium density fiberboard (MDF).

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive MDF.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive MDF.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications.
- .3 ANSI E84 – Standard Test Method for Burning Characteristics of Building Materials.
- .4 CAN/ULC S102 M88 – Standard Test Method for Burning Characteristics of Building Materials.
- .5 Forest Stewardship Council (FSC) Chain of Custody Certification, SCS-COC-001034

1.4 QUALITY ASSURANCE

- .1 Products: Fire/Smoke performance certified by Intertak/Warnock Hersey Laboratories.

1.5 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] mm ([] feet) mock-up including adjacent and supporting construction
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.6 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.7 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install MDF when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® Platinum MDF

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 Panel Source: PureKor® Platinum MDF.
- .2 Substitutions: [Refer to Section 01600.] [Not permitted.] [Refer to Instructions to Bidders.]

2.2 MATERIALS

MDF Technical Properties:

- .1 Fiber Type: 100% recovered/recycled wood. (SCS-COC-001034).
- .2 Resin: pMDI [urea-formaldehyde free]
- .3 Grade: Premium..
- .4 Density: 770 kg/cu m (48 lbs/cu ft).
- .5 Internal Bond: 0.7 N/sq mm (115 psi).
- .6 MOE: 3485 N/sq mm (505,000 psi).
- .7 MOR: 32.4 N/sq mm (4700 psi).
- .8 Hardness: 4500 N (1000 lb).
- .9 Screw Hold (Face): 1260 N (285 lb).
- .10 Screw Hold (Edge) for Thickness: 13 mm (1/2 inch) thick, 1130 N (255 lb).

2.3 FINISHES

- .1 Concealed Steel Items: Galvanized in accordance with ASTM A123 to 610 g/sq m (2.0 oz/sq ft).
- .2 Apply [one coat] [coats] of bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install MDF in locations indicated on drawings and as specified by specifications.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 CLEANING

Include this article when MDF will be used in a decorative or other application where an exposed finish surface exists.

Include .2 if sealant will be used to seal the finished surface.

- .1 Section 01700: Cleaning installed work after painting/finishing.
- .2 Remove excess sealant by moderate use of mineral spirits or other solvent acceptable to sealant manufacturer.

3.4 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® Platinum MDF

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor Platinum MDF

Section 2 - Composition / Information on Ingredients

Component:	Exposure Limit (OSHA)
Wood Dust/Fiber	15 mg/m ³ total dust 8-hr TWA
	5 mg/m ³ respirable fraction 8-hr TWA

Section 3 - Physical and Chemical Properties

Physical State: Solid	Solubility: N/A
Appearance and Odor: light yellow, to light brown with light wood odor.	Solubilities: N/A
Specific Gravity: <1	pH: N/A
Boiling Point: N/A	Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 5 - Stability and Reactivity

Stability: PureKor Platinum MDF is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.



PureKor® Platinum MDF

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 2.0 modified 08/10/06, original 2/24/04

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Panel Source. The data on this sheet relates only to the specific material designated herein. Panel Source assumes no legal responsibility for use or reliance upon these data.



Sustainability, Quality, Service & Commitment

PureKor® FSC Plywood Plus

FSC Certified

Industrial Grade

Urea Formaldehyde Free

Moisture Resistant

Structural Properties

LEED MR 5.1 & 5.2

LEED MR 7.0

LEED EQ 4.4

PUREKÖR™



PureKor® FSC Plywood Plus

Product Information

Key Product Features:

Urea Formaldehyde Free

FSC Certified

Moisture Resistant

Light Weight

PureKor Platinum Plywood is an entire family of plywood products, certified by the Forest Stewardship Council (FSC) SCS-COC-001034. Panel Source is certified by Scientific Certification Systems for FSC Chain of Custody. The product contains a minimum of 70% FSC Certified Content.

PureKor® is free from warp when stored in accordance with generally recommended storage procedures for any high quality plywood product. PureKor® panels like any premium composite panel should be kept clean, dry, and well supported at all times. PureKor® is unaffected by freezing, although it is recommended that the product be acclimatized to existing conditions for 48 hours prior to use.

PureKor® is ideally suited for use in the LEED® Rating System, available from the United States Green Building Council (www.usgbc.org). Applicable credits include MR 4.1, MR 4.2, MR 7.0, EQ 4.4 and depending on the project location MR 5.1 and MR 5.2.

Because of the multitude of laminating processes, adhesives, and temperatures, customers should trial the use of PureKor® Platinum Plywood to confirm its suitability for their laminating methods. Generally, one should avoid exposing the product to sustained periods of high temperature in excess of 380° F. Any questions about compatibility, spread rates, cure times, and press temperatures should be directed to your adhesive supplier



PureKor® FSC Plywood Plus

Grades and Products Available

PureKor Platinum Plywood is a family of high quality plywood products that includes all of the following items:

PureKor® Certified A/C Sanded Fir Plywood Plus

PureKor® Certified Paint Grade Hardwood Faced Plywood Plus

PureKor® Certified Plywood Platform Plus

PureKor® Certified Concrete Forming Plywood

PureKor® Certified Sheathing Grade Plywood

PureKor® Certified Subfloor & Underlayment Panels

These products are available as follows:

	A/C Sanded	Paint Grade	Platforms	Formply	Sheathing	SF + U Lay
1/4"	✓					✓
11/32"	✓				✓	✓
15/32"					✓	
1/2"	✓	✓				✓
19/32"					✓	✓
5/8"	✓	✓		✓		
11/16"			✓			
23/32"					✓	✓
3/4"	✓	✓		✓		
31/32"			✓		✓	
1"	✓	✓				
1-1/8"	✓	✓			✓	✓

Not all items are kept in our inventory at all times. Check with Panel Source for specific inquiries.



PureKor® FSC Plywood Plus

Product Selections:

PureKor® Certified A/C Sanded Fir Plywood Plus is available as follows:

	48"x97"	49"x97"	Piece Count
1/4"	✓	✓	120
11/32"	✓	✓	90
15/32"	✓	✓	66
19/32"	✓	✓	53
23/32"	✓	✓	44
31/32"	✓	✓	30

PureKor® Certified Paint Grade Hardwood Faced Plywood Plus is available as follows:

	48"x97"	49"x97"	Piece Count
1/2"	✓	✓	60
5/8"	✓	✓	50
3/4"	✓	✓	40
1"	✓	✓	30

Packaging and Product Weights

All PureKor® Certified Plywood Plus is packaged as follows:

PureKor® units are steel strapped with attached dunnage and edge protectors. Each unit is also tagged showing the product description, panel size, panel thickness, number of panels in the unit, and the date of manufacture. Weight will vary by product. Please contact Panel Source for detailed information.



PureKor® FSC Plywood Plus

PRODUCT DESCRIPTION

PRODUCT FEATURES

• BASIC USES / RELATED USES

- Plywood that is urea-formaldehyde free, moisture resistant, CDX Fir Sheathing, AC Sanded Fir & Laminating Grade Hardwood Face Plywood.
- Can be laminated or painted and used in hot or cold presses using a variety of adhesives including polyvinyl acetate (PVA), polymeric methylene di-isocyanate (pMDI), and urea formaldehyde (UF).

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- PureKor® FSC Certified Plywood Plus: Minimum 90% FSC Certified fiber, urea formaldehyde free.
- Moisture resistant.
- Light Weight/ High Structural Properties

• SELECTION CRITERIA

- Three types available:
 - PureKor® 4 Ply CDX Fir Sheathing Plywood Plus.
 - PureKor® AC Sanded Fir Plywood Plus.
 - PureKor® Laminating Grade Hardwood Faced Plywood Plus.
- Standard sizes are available - other sizes on special order.
- Standard Color: Raw panel is light brown; custom painted and laminated colors available on special order.

• APPLICABLE STANDARDS, RELATED REFERENCES

- ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- PSI-95 APA Performance Rated Standard.

• QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS

- FSC Chain of Custody: SCS-COC-001034



PureKor® FSC Plywood Plus

- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
 - Should be kept clean, dry, and well supported at all times.
 - Unaffected by freezing.
 - Recommended that product be acclimatized to existing conditions 48 hours prior to installation.
 - Units are steel strapped with attached edge protectors. Each unit contains both a top and bottom protection cover sheet.
 - All units are tagged with unit identification including panel size, thickness, date of manufacture, and piece count.
 - Do not stack more than three units high.
- **SPECIAL WARRANTY**
 - Product will be free of manufacturing defects both in material and workmanship when used in accordance with Manufacturer's recommendations.
- **LIMITATIONS**
 - Interior use only
- **SAFETY PRECAUTIONS**
 - Breathing mask and safety goggles required while cutting/sawing product to protect from airborne particles.
- **AVAILABILITY**
 - Available internationally. Not all sizes and thicknesses are stocked in inventory. Consult Panel Source for availability in your area.
- **COST**
 - Consult Panel Source for specific product costs or relative costs.



PureKor® FSC Plywood Plus

PRODUCT PROPERTIES

• MATERIALS, COMPOSITION, PROPERTIES

- Technical Properties:
 - Fiber Type: PureKör® FSC Plywood Plus: Softwood Interior Core-Hardwood face and back.
 - Resin: PureKör® FSC Plywood Plus: Phenol-formaldehyde.
 - Grade: Industrial.
 - Density: 540kg/m³ (34 lbs/ft³).
 - MOE: 3868 N/sq mm (560,000 psi).
 - MOR: 32.8 N/sq mm (4742 psi)
 - Hardness: 2222 N (1000 lb).
 - Screw Hold (face): 1645 N (285 lbs).
 - Screw Hold (Edge) for Thicknesses: >12.5 mm (1/2 inch): 1612 N (255 lb).
 - Moisture Content: 5 - 6 %.

• SHAPE, MASS, AND DIMENSIONS

- Standard rectangular sizes:
 - 6.4 mm (1/4 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch) panels.
 - 8.7 mm (11/32 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch) panels.
 - 11.9 mm (15/32 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch) panels.
 - 15.08 mm (19/32 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch) panels.
 - 18.26 mm (23/32 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch)
 - 24.6 mm (31/32 inch) thick, 1219 x 2438 (48x 96), 1245 x 2464 mm (49 x 97 inch) panels.
 - Tolerance: +/-0.125 mm (+/-0.005") from nominal panel thickness.

PRODUCT PLACEMENT

• INSTALLATION

- Breathing mask and safety goggles required while cutting or sawing panels to protect from air-borne particles.



PureKor® FSC Plywood Plus

This section includes a manufacturer's guide specification for fire rated and non-rated medium density fiberboard for interior applications. This section includes performance, proprietary, and descriptive type specifications; edit to avoid conflicting requirements.

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Rated wood plywood

1.2 RELATED SECTIONS

- .1 Section 06400 - Cabinets: Preparation of adjacent work to receive plywood.
- .2 Section 06200 - Finish Carpentry: Preparation of adjacent work to receive plywood.

1.3 REFERENCES

- .1 ASTM D1037 - Standard Test Method for Evaluating Properties of Wood-Based Fiber and Panel Particle Material.
- .2 PSI-95 APA Performance Rated Standard
- .3 Forest Stewardship Council (FSC) Chain of Custody Certification, SCS-COC-001034™

1.4 MOCK-UP

Use this article for assessing full sized erected assemblies for review of construction, coordination of work of several sections, testing, or observation of operation. A mock-up may also be used for assessing field applied finishes.

- .1 Section 01400: Requirements for mock-up.
- .2 Provide [] x [] mm ([] x [] feet) mock-up including adjacent and supporting construction
- .3 Locate [where directed.] []
- .4 Mock-up may [not] remain as part of the Work.

1.5 DELIVERY, STORAGE, AND PROTECTION

- .1 Section 01600: Transport, handle, store, and protect products.
- .2 Protect units with edge protectors and top and bottom protection cover sheets.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Section 01600: Environmental conditions affecting products on site.
- .2 Do not install MDF when ambient temperature is less than 5 degrees C (40 degrees F). Maintain dry, and allow to acclimatize minimum 48 hours prior to installation.
- .3 Maintain this minimum temperature during and after installation of sealants.



PureKor® FSC Plywood Plus

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- .1 PureKör® FSC Certified CDX Fir Sheathing Plywood Plus.
- .2 PureKör® FSC Certified AC Sanded Fir Plywood Plus.
- .3 PureKör® FSC Certified Paint Grade Hardwood Faced Plywood Plus.

2.2 MATERIALS

Plywood Technical Properties:

- .1 Fiber Type: FSC Certified, SCS-COC-001034
- .2 Resin: Phenol-formaldehyde, contains no urea-formaldehyde
- .3 Grade: Industrial..
- .4 Density: 540 kg/cu m (34 lbs/cu ft).
- .5 Internal Bond: 0.7 N/sq mm (115 psi).
- .6 MOE: 3868 N/sq mm (560,000 psi).
- .7 MOR: 32.8 N/sq mm (4742 psi).
- .8 Hardness: 2222 N (500 lb).
- .9 Screw Hold (Face): 1645 N (371 lb).
- .10 Screw Hold (Edge) for Thickness: 12.5 mm (1/2 inch) thick, 1612 N (365 lb).

2.3 FINISHES

- .1 Concealed Steel Items: Galvanized in accordance with ASTM A123 to [610____] g/sq m ([2.0] [____] oz/sq ft).
- .2 Apply [one coat] [____] coats] of bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install plywood in locations indicated on drawings and as specified by specifications.

3.2 ERECTION TOLERANCES

Tolerances are highly dependant on the substrate framing and its tolerances.

- .1 Section 01400: Tolerances.

3.3 PROTECTION OF FINISHED WORK

- .1 Section 01700: Protecting installed work.
- .2 Protect finished Work from damage.



PureKor® FSC Plywood Plus

MSDS

Section 1 - Chemical Product

Product/Chemical Name: PureKor FSC Certified Plywood Plus

Section 2 - Composition / Information on Ingredients

Component:	Exposure Limit (OSHA)
Softwood Dust	10mg/m3 PEL 5mg/m3 ACGIH TLV-TWA
Hardwood Dust	10mg/m3 PEL 1mg/m3 ACGIH TLV-TWA
Phenol-Formaldehyde Trace	0.75ppm 2ppm STEL

Section 3 - Physical and Chemical Properties

Physical State: Solid	Solubility: N/A
Appearance and Odor: light yellow, to light brown with light wood odor.	Solubilities: N/A
Specific Gravity: <1	pH: N/A
Boiling Point: N/A	Freezing/Melting Point: N/A

Section 4 - Fire-Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A will be dependent on exposure to heat and other variables.

Extinguishing Media: Water, Carbon Dioxide, Sand

Unusual Fire and Explosion Hazards: Sawing, sanding or machining can produce wood dust as a by product which may present an explosion hazards. An airborne concentration of 40 grams or dust per cubic meter of air is often the LEL for wood dust.

Fire-Fighting Equipment: Because fire may produce toxic products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



PureKor® FSC Plywood Plus

Section 5 - Stability and Reactivity

Stability: PureKör FSC Certified Plywood Plus is stable at room temperature in normal storage and handling conditions.

Conditions to Avoid: Keep away from heat, sparks, and open flames.

Hazardous Decomposition Products: Thermal decomposition can produce irritating and toxic fumes, and gases.

Section 6 - Health Hazard Information

Potential Health Effects

Inhalation: Inhalation may result in respiratory irritation and coughing.

Eye: Contact with the eyes may cause irritation

Skin: Contact with the skin may cause irritation

Ingestion: Not likely to happen.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Eye Contact: Flush eyes with water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and shoes. Wash exposed areas with soap and water.

Call a physician if irritation persists.

Ingestion: Call a physician immediately. Only induce vomiting if directed by a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Do not give anything by mouth to an unconscious person.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 7 - Special Precautions and Comments

Handling Precautions: Like any sawdust, avoid breathing product dust. Do not take internally.

Wash thoroughly after handling this material.

Storage Requirements: Keep product unitized until use. Keep away from moisture, humidity, temperature extremes, heat, sparks, and open flames.

Revision Notes: V 2.1 modified 07/31/07, original 2/24/04

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