

# PERFECT PLANK

For over 60 years, skilled craftsmen have made Perfect Plank their primary choice when it comes to high quality pattern lumber. Perfect Plank is manufactured to provide a dry, thick, stress-free pattern plank that is uniform in texture, low in moisture and virtually defect-free. Perfect Plank is designed to free the user from the time-consuming tasks of planing, jointing, sizing, and gluing to assemble larger blocks for pattern construction. Perfect Plank maximizes the skills and efficiency of the pattern maker, mold maker, and model maker because each board is immediately ready for use in a wide variety of sizes.



### Virtually Defect-Free

All Perfect Plank is made from carefully inspected pieces of lumber with very few of the defects that cost the user time and money. This lumber is precisely dried and stress-relieved, then finger-jointed into narrow, vertical-grained strips.



### Accurate Construction

The strips are then accurately machined prior to being glued face-to-face to form the standard width plank. The accuracy is especially evident in the glue lines of each piece. Thin lines of water-resistant glue are cured with state-of-the-art electronic gluing equipment to make it easy to carve and machine without causing unnecessary wear of woodworking tools and cutter blades.



### Superior Stability

The vertical grain construction of Perfect Plank produces a pattern lumber that has much greater dimensional stability than ordinary, straight grain pattern lumber. Vertical grain Perfect Plank will resist twisting and cupping and will produce patterns, molds, and models that are far superior to those made from ordinary rough sawn lumber.



### Properly Stored

All Perfect Plank is stored in climate controlled warehouses, which ensures consistent moisture content regardless of the location or time of year you require your next delivery.

## Features

<b>Virtually defect-free</b>	The pine species is equivalent to select grades of pattern lumber while the mahogany species is equivalent to FAS grades.
<b>Grain</b>	Tight, straight, vertical grain as opposed to the wide, diagonal and/or straight grain commonly found in other products.
<b>Moisture content</b>	Kiln-dried to a low and uniform moisture content throughout. (controlled to 8% - 10%)
<b>Surfacing</b>	Each board is surfaced on four sides.
<b>End gluing</b>	Individual wood strips joined by precision finger-jointing with non-abrasive adhesives.
<b>Edge gluing</b>	Strips are edge-glued with uniformly thin glue lines of water-resistant adhesive.
<b>Immediately usable</b>	Simply select the thickness needed, cut off the required length, and begin to build your pattern. With Perfect Plank, every cubic inch is usable.

# PERFECT PLANK LUMBER

## Perfect Plank Pine

This popular laminated plank is uniformly dried, virtually free from defects, and planed on all four sides for immediate use. It is an excellent alternative to the select Sugar Pine grades which are becoming increasingly difficult to source.

SKU	Description	Nom.* Thickness	Nom.* Width	Length	Bd. ft./pc.
074005	4/4 Perfect Plank Pine	1"	18"	96"	12
074007	5/4 Perfect Plank Pine	1¼"	18"	96"	15
074010	6/4 Perfect Plank Pine	1½"	18"	96"	18
074012	7/4 Perfect Plank Pine	1¾"	18"	96"	21
074014	8/4 Perfect Plank Pine	2"	18"	96"	24
074015	9/4 Perfect Plank Pine	2¼"	18"	96"	27
074020	10/4 Perfect Plank Pine	2½"	18"	96"	30
074025	12/4 Perfect Plank Pine	3"	18"	96"	36
074028	13/4 Perfect Plank Pine	3¼"	18"	96"	39
074030	14/4 Perfect Plank Pine	3½"	18"	96"	42
074035	16/4 Perfect Plank Pine	4"	18"	96"	48
074040	17/4 Perfect Plank Pine	4¼"	18"	96"	51
074048	20/4 Perfect Plank Pine	5"	18"	96"	60
074050	21/4 Perfect Plank Pine	5¼"	18"	96"	63
074052	22/4 Perfect Plank Pine	5½"	18"	96"	66
074055	24/4 Perfect Plank Pine	6"	18"	96"	72

\*Actual thicknesses are approximately ⅛" less and actual widths are 17" +/- ¼". Other sizes may be available by special order. Please call for details.

## Perfect Plank Mahogany

Constructed from genuine Mahogany, this laminated wood product is the best choice for high-tolerance patterns, models, and fixtures. It is uniformly dried, virtually free from defects, and planed on all four sides for immediate use.

SKU	Description	Thickness	Width	Length	Bd. ft./pc.
074600	4/4 Perfect Plank Mahogany	1"	18"	96"	12
074602	5/4 Perfect Plank Mahogany	1¼"	18"	96"	15
074604	6/4 Perfect Plank Mahogany	1½"	18"	96"	18
074608	8/4 Perfect Plank Mahogany	2"	18"	96"	24
074610	9/4 Perfect Plank Mahogany	2¼"	18"	96"	27
074618	12/4 Perfect Plank Mahogany	3"	18"	96"	36
074620	13/4 Perfect Plank Mahogany	3¼"	18"	96"	39
074626	16/4 Perfect Plank Mahogany	4"	18"	96"	48
074628	17/4 Perfect Plank Mahogany	4¼"	18"	96"	51
074634	20/4 Perfect Plank Mahogany	5"	18"	96"	60
074640	23/4 Perfect Plank Mahogany	5¾"	18"	96"	69
074642	24/4 Perfect Plank Mahogany	5⅞"	18"	96"	72

Other sizes may be available by special order. Please call for details.

## Perfect Plank Jelutong

Due to its extremely fine texture and consistent grain structure, this species is the best for hand carving or CNC machining. Constructed from Jelutong, this laminated wood product is uniformly dried, virtually free from defects, and planed on all four sides for immediate use.

SKU	Description	Nom.* Thickness	Nom.* Width	Length	Bd. ft./pc.
074310	6/4 Perfect Plank Jelutong	1½"	18"	96"	18
074314	8/4 Perfect Plank Jelutong	2"	18"	96"	24
074315	9/4 Perfect Plank Jelutong	2¼"	18"	96"	27
074320	10/4 Perfect Plank Jelutong	2½"	18"	96"	30
074325	12/4 Perfect Plank Jelutong	3"	18"	96"	36
074326	13/4 Perfect Plank Jelutong	3¼"	18"	96"	39
074335	16/4 Perfect Plank Jelutong	4"	18"	96"	48
074340	17/4 Perfect Plank Jelutong	4¼"	18"	96"	51
074349	20/4 Perfect Plank Jelutong	5"	18"	96"	60
074350	21/4 Perfect Plank Jelutong	5¼"	18"	96"	63
074355	24/4 Perfect Plank Jelutong	6"	18"	96"	72

\*Actual thicknesses are approximately ⅛" less and actual widths are 17" +/- ¼". Other sizes may be available by special order. Please call for details.

## Perfect Plank Alder

Red Alder is a domestically grown species found primarily on the Pacific coast. Slightly lighter in weight and color than Mahogany, this hardwood offers an excellent alternative to higher priced Mahogany. Perfect Plank constructed from Alder is uniformly dried for stability, virtually free from defects, and planed on four sides for immediate use.

SKU	Description	Thickness	Width	Length	Bd. ft./pc.
074710	9/4 Perfect Plank Alder	2¼"	18"	96"	27
074718	13/4 Perfect Plank Alder	3¼"	18"	96"	39
074724	17/4 Perfect Plank Alder	4¼"	18"	96"	51

Other sizes may be available by special order. Please call for details.

## Perfect Plank Poplar

Constructed from domestically grown poplar, this hardwood plank offers a lower cost alternative to Mahogany Perfect Plank. As with all Perfect Plank products, it is uniformly dried for stability, virtually free from defects, and planed on four sides for immediate use.

SKU	Description	Thickness	Width	Length	Bd. ft./pc.
074810	9/4 Perfect Plank Poplar	2¼"	18"	96"	27
074818	13/4 Perfect Plank Poplar	3¼"	18"	96"	39
074824	17/4 Perfect Plank Poplar	4¼"	18"	96"	51
074832	21/4 Perfect Plank Poplar	5¼"	18"	96"	63

Other sizes may be available by special order. Please call for details.



# ACCESSORIES FOR PERFECT PLANK

## REPAIR MATERIALS

### TUF-Fil®

Freeman TUF-Fil closely matches mahogany and other hardwoods in hardness. Suitable for high-wear applications, it may be scraped, filed, tapped and sanded when fully cured. While it is still rubbery, it is carvable using woodworking tools. TUF-Fil Gray (Aluminum) makes a great repair material for gray fixture boards. Hardener included.

SKU	Size	Color	Net weight (lb.)
053405	Quart	Mahogany	2.8
053410	Quart	Pine	2.8
053425	Gallon	Mahogany	11.5
053430	Gallon	Pine	11.5
053428	3 Gallon Cartridge	Mahogany	31.5
053433	3 Gallon Cartridge	Pine	31.5

### TUF-Carv®

Freeman TUF-Carv Repair & Build-Up Material is a less dense material than TUF-Fil, closely matching the hardness of pine and jelutong. It is ideal for any job that requires a durable, yet carvable finish. TUF-Carv, when cured, can be carved, sawed, sanded, filed, tapped and machined easily with woodworking tools. Hardener included.

SKU	Size	Color	Net weight (lb.)
053205	Quart	Mahogany	1.8
053210	Quart	Pine	1.8
053215	Gallon	Mahogany	7
053220	Gallon	Pine	7
053225	3 Gallon Cartridge	Mahogany	21
053230	3 Gallon Cartridge	Pine	21



## WOOD GLUE

### Freeman Medium Viscosity White Wood Glue

Freeman Medium Viscosity White Wood Glue is a polyvinyl acetate adhesive that offers a great balance of set time, viscosity, and holding strength. It is extremely effective for gluing most all species of hardwood and softwood.

### Freeman High Viscosity White Wood Glue

Freeman High Viscosity White Wood Glue is a thicker version of our Medium White Wood Glue for vertical applications or where a higher viscosity adhesive is preferred. It is extremely effective for gluing most all types of wood and is excellent for installing leather fillets due to the increased viscosity.

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### Freeman Fast Set White Wood Glue

The fastest-setting wood glue we offer, it is used for assembly work where rapid hardening is required. Works well with all types of hardwood and softwood.

SKU	Size	Net weight (lb.)
022663	Gallon	9
022664	5 Gallon	45

### Specifications

	Mix Ratio (by wt.) Resin: Hardener	Gel Time (Min)	Hardness (Shore D) @ 24 hr.	Viscosity (cps)	Density (g/cc)	Colors Available
<b>TUF-Fil</b>	100:1.5	11	81	912,000	1.74	Mahogany & Pine
<b>TUF-Carv</b>	100:1.5	10	71	581,000	1.14	Mahogany & Pine
<b>Quick-Carve</b>	100:1.5	10	69	400,000	1.13	Mahogany
<b>Quick-Bild P80</b>	100:1.5	10	70	580,000	1.13	Pine
<b>ASTM</b>	-	D-2471	D-2240	D-2393	D-792	-

### Master® Quick-Carve

Master Quick-Carve is a two-component polyester repair material that features good durability yet is easily carved or sanded when extensive hand finishing is required. Quick-Carve is excellent for fast repairs to wood patterns and is available as a mahogany-colored resin with included hardener.

SKU	Size	Net weight (lb.)
053910	1 Quart	1.8

### Master® Quick-Bild P80

This is the most economical polyester repair material in the Master line for larger and more frequent repairs. This two-component resin system solidifies in 15 minutes and features a 70 Shore D hardness for good durability. Its creamy consistency for ease of application and good sag resistance on vertical surfaces complements the pine resin color to match many of the softer woods used for patterns and models. Hardener included.

SKU	Size	Net weight (lb.)
053905	1 Gallon	7

### Freeman Gold Wood Glue

Light yellow in color, this glue features a high viscosity and fast set time, making it ideal for assembly and fillet work.

SKU	Size	Net weight (lb.)
023635	Gallon	9
023636	5 Gallon	45

### Master White Wood Glue

Master White Wood Glue has a high built-in wet tack that helps prevent board movement during clamping. It is ready for use requiring no mixing, blending or heating and can be used at temperatures as low as 60°F. Easily and quickly applied with brush or roller, it can bond dissimilar materials such as wood, cork, oil-free leather, plastics and metals.

SKU	Size	Net weight (lb.)
022700	Gallon	9
022705	5 Gallon	45

### Wood Glue Applicator Bottles

These non-stick, empty plastic glue bottles in popular and convenient sizes are available for pattern shop use. The screw-on plastic spout, which can be cut to desired opening size, gets the glue into the tight places.

SKU	Size
023658	2 oz. (Bottle w/Spout)
023660	8 oz. (Bottle w/Spout)
023665	16 oz. (Bottle w/Spout)
023670	Quart (Bottle w/Spout)
023673	2 oz. (Spout Only)
023662	8 oz. (Spout Only)
023672	16 & 32 oz. (Spout Only)

# ORDERING INFORMATION

This material is ordered by the full board. Board feet per board is listed as a reference. When ordering please indicate how many boards are needed.

## Custom orders

Additional sizes are available by custom order in thicknesses from 1" to 6", widths 12" to 48", and lengths up to 16'. Maple Perfect Plank is available by special order. Lead times are based on availability. Please contact customer service for pricing and delivery information on all custom orders.

# LOCATIONS

## Branch Locations and Public Warehouses

Freeman has strategically placed satellite locations across North America with customer service representatives ready to help. Thousands of products are stocked at these locations as well as public warehouses to reduce your shipping costs.

## Strategic & Effective Stocking

Freeman's inventory staff constantly monitors sales and stocking data across the country to properly provide the right amount of products at each location.

## Worldwide Shipping

Freeman ships orders all across the globe and has various international distributors available to supply customers with top-quality products.



### OHIO (HEADQUARTERS)

1101 Moore Road  
Avon, OH 44011  
TEL 800-321-8511  
TEL 440-934-1902  
FAX 440-934-7200

### KANSAS

5755 S. Hoover Road Bldg. #5  
Wichita, KS 67215  
TEL 800-792-1047  
FAX 817-568-0908

### ONTARIO

3600B Laird Road Unit 8  
Mississauga, ON L5L 6A7  
TEL 800-345-9259  
FAX 586-774-1019

### QUEBEC

3475 boul Pitfield  
Montreal, QC H4S 1H3  
TEL 800-263-7699  
TEL 514-335-3530  
FAX 514-335-3225

### CALIFORNIA

20153 Paseo del Prado  
Walnut, CA 91789  
TEL 800-325-2100  
FAX 440-934-7200

### MICHIGAN

27655 Groesbeck Highway  
Roseville, MI 48066  
TEL 800-345-9259  
TEL 586-774-1210  
FAX 586-774-1019

### OREGON

15745 N. Lombard St., Ste. 100  
Portland, OR 97203  
TEL 800-558-0866  
FAX 262-789-5407

### TEXAS

3152 S.E. Loop 820  
Fort Worth, TX 76140  
TEL 800-792-1047  
TEL 817-551-7301  
FAX 817-568-0908

### GEORGIA

5060 N Royal Atlanta Dr. #6  
Tucker, GA 30084  
TEL 770-493-4131  
FAX 440-934-7200

### NORTH CAROLINA

101 Bailey Street  
Mocksville, NC 27028  
TEL 800-321-8511  
FAX 440-934-7200

### PENNSYLVANIA

203 Enterprise Rd.  
Lititz, PA 17543  
TEL 800-631-4230  
TEL 717-653-5300  
FAX 717-653-7372

### WISCONSIN

4921 South 2nd St.  
Milwaukee, WI 53207  
TEL 800-558-0866  
TEL 262-789-9800  
FAX 262-789-5407

# TERMS & CONDITIONS

## Returned Goods

To save transportation charges, and facilitate handling of merchandise upon our receipt, we request that no merchandise be returned without prior written authorization.

## Damaged Goods

Merchandise given to a transportation firm is their responsibility to deliver in satisfactory condition. If merchandise is delivered damaged, the customer should note as such on freight bill and file a claim with the delivering carrier. Regulations require that hidden damage, identified upon unpacking, must be reported within ten (10) days of delivery in order to file a proper claim.

## Liability/Warranty Statement

Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages.

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