



TECHNICAL DATA SHEET

2400 Boston Street | Suite 200 | Baltimore, MD | 21224

DAP® WELDWOOD® Wood Glue

PRODUCT DESCRIPTION

DAP® WELDWOOD® Original Wood Glue is a professional grade premium glue that provides fast, strong bonds for most porous and semi-porous materials.



PACKAGING	COLOR	UPC
4oz Bottle	Yellow	7079800496
8oz Bottle	Yellow	7079800497
16oz Bottle	Yellow	7079800491
32oz Bottle	Yellow	7079800492
1 Gallon Bottle	Yellow	7079800498

KEY FEATURES & BENEFITS

- Professional quality
- Heat, water and solvent resistant
- Sets fast and sands easily once dry

PERFORMANCE CHARACTERISTICS

- Resistant to oil, grease, and paint solvents
- Sands well.
- Does not dull cutting tools.
- Especially resistant to shock and sharp impact when thoroughly set.

SUGGESTED USES

Ideal For Professional or DIY use.

- Woodcraft
- Cabinet Making
- Hobby & Craft Activities
- Furniture Manufacturing
- Edge-Bonding and many other uses where a high-strength, long-lasting bond is required



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APPLICATION

Surface Preparation:

- All surfaces to be glued must be clean, dry and free of all foreign material.
- Temperature should be 55°F or above. Optimum temperature range is 70°F to 80°F.
- Wood requires no special preliminary treatment; however, the most efficient bonds develop when the wood has been resurfaced just prior to applying glue.
- Moisture content of wood may run as high as 15% but best bonds are obtained when moisture content ranges between 8% and 12%.

Application:

- **FURNITURE JOINT GLUING:** Wood surfaces should be smooth and snug fitting. Avoid excessive sanding or handling of joint surfaces. Spread glue evenly onto surfaces, assemble within 5 to 7 minutes and clamp if possible. Clamp or weight for a minimum of 30 minutes. Allow to dry overnight before sanding and handling.
- **WOOD AND COMPOSITION BOARD:** Soft wallboard, Celotex®, etc., should be pre-sized with diluted glue before gluing (equal parts of water and glue). Allow haze to disappear and then apply full strength to board surface. Press together. Allow to remain undisturbed at least one hour.
- **HARDBOARD LAMINATION:** Apply glue to one surface. Use sufficient pressure to assure contact of all gluing surfaces. When glue becomes colorless, a full-strength bond has been formed. Tempered hardboard produces the best results when scuff-sanded before applying glue.
- **NOVOPLY®:** Use a thin uniform coat of glue on one surface. Bonding time same as wood to wood.
- **REPAIR GLUING:** Remove all old adhesive or finish. Coat all surfaces with glue, assemble parts and clamp. Allow to dry overnight. Excess glue should be removed immediately with a damp cloth prior to drying.
- **ASSEMBLY:** Assembly time (from application of glue to application of pressure) should not exceed 10 minutes, and in general, should be as soon as possible after glue application. Length of time glue may be exposed to the air is determined by the absorptivity of the substrates, moisture content and relative humidity of the air.
- **PRESSURE:** May range from 25 to 100 lbs. per square inch, depending upon the fit of the joint. Soft wood and carefully cut hard woods can be glued at relatively low pressure. A carefully machined, close fitting joint requires much less pressure than a rough fitting one. Pressure of 25 to 50 lbs. per square inch is usually sufficient on well fitted parts. Higher pressures are necessary for rough cut joints. However, high bonding pressure does not compensate for poor fitting joints. Pressure may be applied by spring clamps, "C" clamps, wood clamps, inflated bags, mechanical or hydraulic presses. Excellent for glue-nail constructions.
- **SETTING TIME:** Almost immediately for fabrics and paper. On flat laminations and tight-fitting joints, pressure may be released before glue has completely set if rough handling is avoided. The pressure period will vary from 30 minutes to 2 hours, depending on the species of wood, thickness of the lay-up, temperature and relative humidity at the time of gluing. Pressure periods for spruce, mahogany,



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poplar, maple and birch are approximately the same. Under normal conditions, joint reaches maximum strength in 72 hours.

- Heat may be used to accelerate the drying period if desired. Drying chambers, heat lamps, hot press platens, heat rooms, or any suitable method for imparting heat to the assembly is acceptable. If heat is used, the assembly must be held under pressure until sufficiently cooled to maintain bond.

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Adhesive Base:	PVA
Coverage:	Approximately 225 sq. ft./gallon
Solids:	44.6%
Non Volatiles:	99%
Flash Point:	< 93.3°C
Viscosity:	7500cps
Weight/Gal:	8.76 lbs
Appearance:	Yellow
Freeze Thaw Stability:	Passes 5 cycles at 0°F
Shelf Life:	12 months minimum @ 70°F

CLEAN UP & STORAGE

Clean up excess wet adhesive with a damp sponge/cloth before it skins (other descriptor?) over. Excess dried adhesive must be cut, scraped or sanded away. Clean hands and tools with warm water and soap. Store container in a cool, dry place away from extreme heat or cold. See product label and Safety Data Sheet (SDS) for safety information. You can request a SDS by visiting our website at dap.com or calling 888-DAP-TIPS.

WARRANTY

LIMITED WARRANTY: If product fails when used as directed within one year of purchase, DAP will provide replacement product or refund sales price: call 888-DAP-TIPS with your sales receipt and product container available, to arrange for warranty fulfillment. DAP is not liable for incidental or consequential damages.



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COMPANY IDENTIFICATION

Manufactured DAP Products Inc., 2400 Boston Street, Baltimore, Maryland 21224

Usage Information: Call **888-DAP-TIPS** or visit dap.com & click on "Ask the Expert"

Order Information: 800-327-3339 or orders@dap.com

Fax Number: 410-558-1068

Also, visit the DAP website at dap.com

NOVOPLY is a registered trademark of Georgia-Pacific Corporation

CELOTEX is a registered trademark of Blue Ridge Fiberboard, Inc.