



# TECHNICAL DATA SHEET

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

## DAP® WELDWOOD® Professional Wood Glue

### PRODUCT DESCRIPTION

DAP® WELDWOOD® Professional Wood Glue is a professional grade premium glue that provides fast, strong bonds for most porous and semi-porous materials. The Polyvinyl Acetate formula provides superior stainability and water resistance when cured and allows for easy immediate water clean-up.



PACKAGING	COLOR	UPC
8 oz Bottle	Tan	7079800480
16 oz Bottle	Tan	7079800481
32 oz Bottle	Tan	7079800482
1 Gallon Bottle	Tan	7079800483

### KEY FEATURES & BENEFITS

- **Water Resistant**
- **Provides a strong durable bond**
- **Sets fast**
- **Stainable and paintable once cured**

### PERFORMANCE CHARACTERISTICS

- Complies with FDA regulations for indirect food contact safe
- Resistant to heat, oil, grease, and paint solvents
- Sands well.
- Does not dull cutting tools.
- Especially resistant to shock and sharp impact when thoroughly set.



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## 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

## 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



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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 15 minutes to 30 minutes, 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, 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:	Internally Catalyzed PVA
Coverage:	Approximately 225 sq. ft./gallon
Solids:	49%
Non Volatiles:	99%
Flash Point:	>100°C
Viscosity:	5500cps (+/- 1100)
Weight/Gal:	9.2 lbs
Appearance:	Tan
Freeze Thaw Stability:	No
Shelf Life:	12 months minimum @ 70°F

## CLEAN UP & STORAGE

Clean up excess wet adhesive with a damp sponge/cloth before it skins 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 above 50°F and below 90°F 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](http://dap.com) or calling 888-DAP-TIPS.



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## 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.

## COMPANY IDENTIFICATION

**Manufactured** DAP Global Inc., 2400 Boston Street, Baltimore, Maryland 21224

**Usage Information:** Call **888-DAP-TIPS** or visit [dap.com](http://dap.com) & click on "Ask the Expert"

**Order Information:** 800-327-3339 or [orders@dap.com](mailto:orders@dap.com)

**Fax Number:** 410-558-1068

**Also, visit the DAP website at [dap.com](http://dap.com)**

NOVOPLY is a registered trademark of Georgia-Pacific Corporation

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