

## 355ML TITEBOND POLYURETHANE LIQUID GLUE



SKU	Option	Part #	Price
9803362			\$

Model	
Type	Wood Glue
SKU	9803362
Brand	Titebond
Size	355ml
Dimensions	
Product Weight (Net Weight)	0.45 kg
Packaging + Shipping	
Shipping Weight (Gross)	0.5 kg

Titebond Polyurethane Liquid glue is a breakthrough in adhesive technology. It is the only polyurethane glue to combine a long 20 minute working time with a short 45 minute clamp time. It is a versatile, professional-strength glue specifically formulated for multi-purpose applications. In addition to its superior wood-to-wood performance, Titebond Polyurethane glue is ideal for metals, ceramics, most plastics, HPL, Corian™, stone and other porous/non-porous materials. It is ready-to-use, offers excellent sandability and is unaffected by finishes. **Features:-**

100% waterproof (Passes ANSI Type I & II water-resistance testing) rated to D4 European standard

Bonds virtually everything

Epoxy-like strength – No mixing

Short clamp & fast cure

Excellent sandability

100% solids

Solvent free

wood to ceramic, Metals, most plastics, glass

**Physical Properties:-**

Type	Polyurethane
State	Liquid
Colour	Brown
Dried film	Yellow
Solids	100%
Viscosity	8,500 cps
Storage life	12 months in tightly closed containers at 24 °C
Calculated VOC	0 g/L
Weight per gallon	4.30kg
Chalk temperature	N/A



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Flashpoint > 93 °C  
Freeze/thaw stability Stable  
pH N/A

#### **Bond strength Green Seal GS-36 Woodworking Glues**

The standard includes product performance requirements and environmental and health requirements such as reduced toxicity, hazardous ingredients, and volatile organic compounds (VOCs).

**Bond strength ASTM D905 (on hard maple)** This test method covers the determination of the comparative shear strengths of adhesive bonds used for bonding wood and other similar materials, when tested on a standard specimen under specified conditions of preparation, conditioning, and loading in compression. This test method is intended primarily as an evaluation of adhesives for wood.

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**Bond strength ASTM D4236** This practice describes the standard procedure for developing precautionary labels for art materials to provide chronic health hazard and precautionary statements based on knowledge that exists in the scientific and medical communities. These statements concern hazards known to be associated with a product or product component(s) when it is present in a physical form, volume, or concentration that in the opinion of a toxicologist has the potential to produce a chronic adverse health effect

**Bond strength ANSI/HPVA Type I Water-Resistance : Wood glues** Type I testing is a Boil test and involves cutting the 150 x 150mm block assemblies into 25 x 75mm specimens, boiling them for 4 hours, then baking in a 145 °F oven for 20 hours. They are boiled for an additional 4 hours, then immediately cooled using running water. The specimens are sheared while wet, and the bonds must pass certain strength and wood failure requirements to pass the Type I specification. Also Similar to D3 European standard testing.

**Bond strength ANSI/HPVA Type II Water-Resistance : Wood glues** Type II testing is a soak test, involving cutting the 150 x 150mm glued block assemblies into 50 x 125mm specimens, soaking them for 4 hours, then baking in a 120 °F oven for 19 hours. This is repeated for a total of three cycles, and the bonds must not de-laminate to pass the Type II specification. Also similar to D2 European standard testing.

#### **Applications Guidelines:-**

**Application Temperature** Above 10 °C. **Assembly Time**

**After Glue Application** 25-30 minutes (21 °C./50%RH)

**Minimum Required Spread** Approximately 6. square

meters per litre **Required Clamping Pressure** Enough to bring joints tightly together (generally, 30-80 psi for HPL, 100-150 psi for softwoods, 125-175 psi for medium woods and 175-250 psi for hardwoods). **Method of Application**

Easily spread with a roller, spreader or brush. \*NOTE: This product cures by reaction with moisture. Changes in humidity, temperature and moisture content of the glued surfaces will affect open time and minimum clamp time.

Maximum open time can be determined by excessive foam development in the adhesive. Minimum clamp time can be



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determined when squeeze out of adhesive becomes firm.

**Cleanup** Mineral spirits while glue is wet. Scrape or sand off dried excess.

**Limitations:-**

Ordering information

Physical properties

Application guidelines

Limitations

Caution statement

Titebond Polyurethane Glue is not for structural applications or for use below the waterline. For ease of application, the glue, temperature and materials to be bonded should be above 10 °C. Lower temperatures will cause the glue to thicken.

**Material Data Specifications:-**

MSDS

Data Sheet