Adhesives

Titebond ® Original and Titebond® II

Titebond® Original Wood Glue

PHYSICAL PROPERTIES (typical)
Type: Aliphatic resin emulsion
State: Liquid
Color: Cream
Dried film: Translucent
Solids: 46%
Viscosity: 3,200 cps
pH: 4.6

Calculated VOC:
(less water): 10.7 g/L
Weight/gallon:
9.2 lbs.
Chalk temperature*:
Aprox. 50˚F.
Flashpoint:
>200˚F.
Freeze/thaw stability:
Stable
Storage life:
12 months in tightly closed containers at 75˚F.

- Fast set-shortens clamp time
- Excellent heat and solvent-resistance
- Excellent sandability
- Easy cleanup with water
- Versatile-bonds wood, hardwood, high pressure laminates and particleboard

APPLICATION GUIDELINES

Application temperature: Above 50˚F.
Assembly time after glue application: 5 minutes (70˚F./50% RH)
Minimum required spread: 7 mils (typical)
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)
Methods of application: Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.
Cleanup: Damp cloth while glue is wet. Scrape off dried excess.

BOND STRENGTH ASTM D-905 (ON HARD MAPLE)

Temperature	Strength psi	% wood failure
Room Temperature	3,600	77
150˚F overnight	1,600	10

LIMITATIONS
Titebond Original Wood Glue is not intended for exterior use or where moisture is likely. For exterior applications use Titebond II Premium Wood Glue. Freezing may not affect the function of the product, but may cause it to thicken. Agitation should restore product to original form.
KEEP FROM FREEZING.

*Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

Size	Item No.	Packing
1 gallon jug	003.15.001	2 pcs.
5 gallon plastic pail	003.15.002	1 pc.

Titebond® II Premium Wood Glue

PHYSICAL PROPERTIES (typical)
Type:
Cross-linking polyaliphatic emulsion
State: Liquid
Color: Honey Gold
Dried film: Translucent
Solids: 48%
Viscosity: 4,000 cps
pH: 2.5-3.5

Calculated VOC:
(less water): 13.7 g/L
Weight/gallon:
9.1 lbs.
Chalk temperature*:
Aprox. 55˚F.
Flashpoint:
>200˚F.
Freeze/thaw stability:
Stable
Storage life:
12 months in tightly closed containers at 75˚F.

- Designed for exterior use
- Excellent heat and solvent-resistance
- Easy cleanup with water
- Ideal for radio frequency (R-F) and Hot Press gluing systems

APPLICATION GUIDELINES

Application temperature: Above 55˚F.
Assembly time after glue application: 5 minutes (70˚F./50% RH)
Minimum required spread: 7 mils (typical)
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)
Methods of application: Easily spread with a roller spreader or brush, or may be transferred to plastic bottles for finer gluing applications.
Cleanup: Damp cloth while glue is wet. Scrape off dried excess.

BOND STRENGTH ASTM D-905 (ON HARD MAPLE)

Temperature	Strength psi	% wood failure
Room Temperature	3,750	72
150˚F overnight	1,750	6

LIMITATIONS
Titebond II Premium Wood Glue passes Type II water-resistance tests. Do not use for joints below the waterline or continuous submersion. Freezing may not affect the function of the product but may cause it to thicken. Agitation should restore product to original form. Because of variances in the surfaces of treated lumber, it is a good idea to test for adhesion.
KEEP FROM FREEZING.

*Chalk temperature indicates the lowest approximate temperature at which the glue, air or materials to be bonded may be to assure a good bond.

Size	Item No.	Packing
1 gallon jug	003.15.011	2 pcs.
5 gallon plastic pail	003.15.012	1 pc.

Empty Glue Bottle and Cap with Control Tip

Size	Item No.
16 oz. bottle	003.48.000
cap with control tip	003.48.090

Packing: 1 pc.

Dimensions in mm
Inches are approximate