

### Häfele

#### → Premium Grade, PVA Adhesive

- > Type 2 is a 50% solids polyvinyl acetate emulsion containing reactive groups
- > A specially designed adhesive with increased water resistance, good heat resistance, good resistance to static load and very fast curing on RF machines
- > Works well on hot and cold-press applications
- > Excellent storage stability and easy clean up
- > Passes Type II water-resistance specification
- > FDA approved for indirect food contact
- > Higher Viscosity: Most wood workers prefer these higher viscosities with minimal run and drip

#### Special Features

- > Excellent Water Resistance
- > Good Heat Resistance
- > Excellent Cleanup
- > Fast Setting

#### Typical Physical Properties

Appearance	white liquid
Solids, %	50
Viscosity, cps	6000*
pH	2.5-3.5
Freeze-Thaw Stable	protect from freezing

#### Adhesive Application Properties

Water Resistance	excellent
Heat Resistance	good
Cleanup	excellent
Resistance to Static Load	good



Size	Item No.
1 gallon (2 per case)	003.00.252
5 gallon	003.00.253
55 gallon	003.00.254

**Note** Meets ASTM D 4236

#### → Empty Glue Bottle and Cap with Control Tip



Description	Item No.
16 oz. bottle	003.48.000
Cap with control tip	003.48.090

#### → High Performance, Wood Adhesive

- > High performance adhesive designed for assembly use where high wet tack and quick grab is needed
- > Offers excellent storage stability and easy clean up
- > Fast setting, bonds that are stronger than the wood
- > Works well on wood, leather, MDF, particle board and most other porous materials
- > Higher Viscosity: Most wood workers prefer these higher viscosities with minimal run and drip

#### Special Features

- > Good Water Resistance
- > Excellent Heat Resistance
- > High Shear Strength
- > Excellent Storage Stability
- > Excellent Cleanup
- > Excellent Mechanical Stability

#### End Uses

- > General Assembly Work
- > Clamp Carriers
- > Cold Pressing

#### Typical Physical Properties

Appearance	white liquid
Solids, %	45
Viscosity, cps	7600 - 8100*
pH	4.5
Weight/Gallon, lbs.	9.2
VOC	10.8 g/L
Freeze - Thaw Stable	fair
Chalk Point (F)	55 degrees

\*Brookfield RVF #4 spindle, 20 RPM, 25 C

#### Adhesive Application Properties

Water Resistance	good
Heat Resistance	excellent
Assembly Time	15 min
Wet Tack	excellent
Storage Stability	excellent
Cleanup	excellent
Shear Strength	high



Size	Item No.
1 gallon (2 per case)	003.00.250
5 gallon	003.00.251
55 gallon	003.00.256

#### Note

Meets ASTM D 4236

Titebond®

→ Original Wood Glue

- > Fast set shortens clamp time
- > Excellent heat and solvent-resistance
- > Excellent sandability
- > Water clean-up
- > 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.

**LIMITATIONS**

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.

→ Premium Wood Glue

- > Designed for exterior use
- > Excellent heat and solvent-resistance
- > Water clean-up
- > Ideal for radio frequency (R-F) and hot press gluing systems
- > FDA approved for indirect food contact (i.e. cutting boards)

**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.

**LIMITATIONS**

Passes ANSI/HPVA 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.

**BOND STRENGTH ASTM D-905 (On Hard Maple)**

Temperature	Strength psi	% wood failure
Room Temperature	3,600	77
150°F Overnight	1,600	10

**BOND STRENGTH ASTM D-905 (On Hard Maple)**

Temperature	Strength psi	% wood failure
Room Temperature	3,750	72
150°F Overnight	1,750	6



Size	Item No.
1 gallon	003.15.001
2.15 gallons	003.15.004
5 gallons	003.15.002

**Note**

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

→ Empty Glue Bottle and Cap with Control Tip



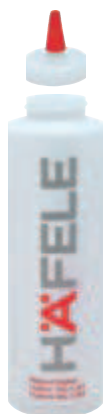
Description	Item No.
16 oz. bottle	003.48.000
Cap with control tip	003.48.090



Size	Item No.
1 gallon	003.15.011
2.15 gallons	003.15.016
5 gallons	003.15.012

Accessories

→ Empty Glue Bottle and Cap with Control Tip



Description	Item No.
16 oz. bottle	003.48.000
Cap with control tip	003.48.090

→ Titebond® Pump



- > For use with Projugs and gallon jugs
- > Material: Plastic

Color	Item No.
white/black	003.48.010

→ Glü-Bot



While using the Glü-Bot, store the spout cap on nib on the large screw cap.

- > Spill-proof nozzle
- > Easy-squeeze bottle
- > Vacuum valve keeps glue level high, even when you're getting low
- > Puts the glue where you want it
- > Essential for every craftsman

Size	Item No.
16 oz.	003.49.802

→ Guide



- > For a clean, straight line without going over the edge
- > For 3/4" materials

Item No.
003.49.808

Supplied With  
5 pcs.

→ Blade and Yorker Tips

Blade



Yorker



Description	Item No.
Blade tips	003.49.806
Yorker tips	003.49.805

Supplied With  
5 pcs.

→ Lid and Retaining Ring

Size	Item No.
16 oz.	003.49.803

Supplied With  
5 pcs.

→ Glü-Bot Red Caps

Size	Item No.
16 oz.	003.49.804

Supplied With  
5 pcs.