

Wood Glue

Product Description

PIONEER WOOD GLUE is a water-based industrial adhesive in D3 classification with an excellent resistance to moisture, water, heat and solvents. It is ideal for bonding all types of wood; whether for interior or exterior use.

Key Features

- Ready to use
- Safe and harmless to health
- Forms tough and translucent film
- Good water-resistance D3 class in accordance to EN 204/205
- Good heat resistance in accordance to WATT 91
- Withstands extreme weather conditions

Product Specifications / Typical Properties / Physical Characteristics

Table 1: Technical Specification*

Parameters	Results
1. Physical Form	Liquid
2. Base	Polyvinyl acetate
3. Appearance	
-Wet	Milky white
-Dried	Clear to Translucent
4. Consistency	Flowy
5. Viscosity @ 28°C	10,000-20,000 cps
6. Specific Gravity@28°C	1.00-1.10
7. pH 4-5	
8. Total Non-Volatile Content (by weight)	46-50%
9. Open Assembly Time @ 30°C	5 minutes
10. Closed Assembly Time @30°C	<10 minutes
11. Tensile Shear Strength	
EN 205:2016-D3, N/mm2	
-Conditioning sequence 1	13.2
-Conditioning sequence 3	4.1
-Conditioning sequence 4	13.9
12. Tensile Strength of Lap Joints at elevated temperature	6.4
EN 14257:2006, N/mm2	
13. Curing Time	7 days (full cure)

*Typical data only. Information on this data should not be used for writing specifications.



Applications

- For wood industry
 - Laminate HPL to Plywood/MDF/PB
 - Surface gluing of cardboard paper or veneer
 - Wood joint
 - Board joint
 - Finger joint
 - Block gluing
 - Hard and soft wood

Application Procedure

Bonding conditions

Wood Temperature	Glue Temperature	Wood Moisture
10-25°C	5-35°C	6-12%

Method

For brush or glue spreader, with cold or hot press.

Coating Weight	+ 200 g/m²
Pressing Pressure	2-10 kg/cm²
Open Assembly Time @ 30°C	+ 5 minutes
Closed Assembly Time @ 30°C	<10 minutes
Pressing Time @ 30°C	45 minutes (may vary depending on glue volume and nature of wood substrate)
Pressing Time @ 80°C	Approximately 1 minute

Easy water clean-up

Wipe excess glue immediately with a damp cloth. Cured adhesive may be carefully cut away with a sharp-edged tool or sanded.

Packaging

Packaging	SKUs
Squeeze Bottle	500 Grams

Certification and Compliance

European Standard Quality (EN 204/205)

Japan Adhesives Industry Association

- JAIA F (Low VOC, non-toxic)
- JAIA 4VOC (Free from Toluene, Xylene, Benzene, and Styrene)

Storage

Store in a tightly closed container, cool, dry place, preferably 30oC maximum and away from direct sunlight.

Shelf Life

12 months following the required storage condition.

Health and Safety Precautions

This product is not classified as hazardous.

PREVENTION

Wash hands thoroughly after handling.

Use personal protective equipment as required.

RESPONSE

IF ON SKIN OR HAIR: Remove or take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get medical advice/attention if feeling unwell.

Warranty and Disclaimers

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