



### **Wood Glue:**

This glue is based on polyvinyl Acetate. Clear, firm and strong film of the glue is resistant against mechanical tensions. Specific formulation of the product is prepared for durable applications in such way that the bonding sites have the ability of abrasion and compatible with various varnishes.

#### **Applications:**

It is used in woodcraft for making all wooden structures. High penetration creates harmony between wooden cellulosic compounds and provides a tight junction.

#### **Method of use:**

The wooden surface should be clean of any dust. A uniform layer of A100 glue is applied on the surface and taken about 7-15 min. after required time, tow surfaces should be stick together with a homogenous compression.

#### **Amount of use:**

Depending on the type of work

#### **Applied considerations:**

Avoid adding water for carpentry works. Observe consumption ambient temperature (at least +5°C). Observe the time of bonding tow surfaces after being applied to the glue (for about 15 min).

#### **Packaging:**

0.5, 1, 4, 10, 20, 22 lit plastic containers.

#### **Storage conditions:**

There is shelf life of 6 months for initial packed containers in normal ambient conditions and when being away from thermal changes.

**General Standard chart for all wood glue:**

Row	Description	Acceptable change		
		wood glue For wet conditions	wood glue For normal humidity conditions	wood glue For dry conditions
1	Appearance	Milky white, uniform, free of any particles and cots	Milky white, uniform, free of any particles and cots	Milky white, uniform, free of any particles and cots
2	PH (25±5°C )	3-7	3-7	3-7
3	Poise	10	10	10
4	Solid content, weight percentage	38	30	30
5	Appearance of dry film	Uniform, free of any particles, transparent to milky white	Uniform, free of any particles, transparent to milky white	Uniform, free of any particles, transparent to milky white
6	Stability against frost	No change in adhesive properties after 3 freezing steps (10 ±2°C)	No change in adhesive properties after 2 freezing steps (10 ±2°C)	No change in adhesive properties after one freezing step (10 ±2°C)
7	Minimum film formation temperature	2Max	5Max	8Max
8	Smearing property	Shouldn't have a darker stain than standard	Shouldn't have a darker stain than standard	Shouldn't have a darker stain than standard
9	Adhesion strength A. Normal condition B. Wet condition C. Thermal condition	100 60 40	100 40 35	70 0 35
10	Shelf life	Unchanged features up to 6 months after production		
11	Packaging	Accordance with standard		
12	Marking	Accordance with standard		

**Laboratory testing Result:**• **ADHESIVE STRENGTH:**

Name of product	<b>Wood glue A100</b>
Test method	INSO 3264(clause 7-8)
Lab condition	Temp: 23±2 (°c) & R.H: 35±5 (%)
Number of run	15
<b>Result</b>	
Test item	Test result
Adhesive strength- normal condition (Kg/cm <sup>3</sup> )	<b>105.25</b>
Adhesive strength- after water immersion (Kg/cm <sup>3</sup> )	<b>61.12</b>
Adhesive strength- after thermal aging (Kg/cm <sup>3</sup> )	<b>48.17</b>

Address: Unit 030, Salafchegan SEZ, Qom, Iran

Telefax: +98 (0) 253 377344-6 Public Affairs Dep/ Tel: +98 (0) 22038596 Web: [www.kiashimi.com](http://www.kiashimi.com)Email: [info@kiashimi.com](mailto:info@kiashimi.com) Tel: +98 (0) 912 107 5647



- **MINMUM FILM FORMATION TEMPERATURE (MFFT):**

Name of product	<b>Wood glue A100</b>
Test method	INSO 3264(clause 7-7)
Specimen	Coated Glass Panel
DFT ( $\mu\text{m}$ )	120
Lab condition	Temp: 23 $\pm$ 2 ( $^{\circ}\text{C}$ ) & R.H: 35 $\pm$ 5 (%)
Number of run	3
<b>Result</b>	
Test item	Test result
MFFT ( $^{\circ}\text{C}$ )	<b>0</b>

- **VISCOSITY:**

Name of product	<b>Wood glue A100</b>
Test method	INSO 3264(clause 7-3)
Lab condition	Temp: 23 $\pm$ 2 ( $^{\circ}\text{C}$ ) & R.H: 35 $\pm$ 5 (%)
Number of run	3
<b>result</b>	
Test item	Test result
Viscosity (Cp)	<b>129000</b>

- **FREEZE- THAW RESISTANCE:**

Name of product	<b>Wood glue A100</b>
Test method	INSO 3264(clause 7-6)
Lab condition	Temp: 23 $\pm$ 2 ( $^{\circ}\text{C}$ ) & R.H: 35 $\pm$ 5 (%)
<b>result</b>	
Test item	Test result
Freeze - thaw resistance	<b>pass</b>

*Any copying of information is prohibited and prosecuted. Technical information is reliable for purchasers on the basis of sale contract*