

PG83

PG83 is a D3 grade latex, especially suitable for fast hot pressing and formaldehyde-free veneers. Its gluing speed is fast, it is not easy to penetrate the glue, and it has good water resistance, heat resistance and solvent resistance. It meets the European E0 level and Japan F**** Free formaldehyde emission standards.

Product parameter details

Item No.	PG83
Product	Polyvinyl acetate polymer emulsion
Appearance	Liquid
Color	White
Viscosity	10000±2000 cps (Brookfield Viscometer RVT, sp4, 10rpm, 25°C)
pH	3±1
Solid content %	49±2
Storage period	9 months (sealed storage)
Storage conditions	Store in a sealed original container, in a cool place, and avoid high heat, sun or freezing. The storage temperature is suitable at 5-40°C.
Discoloration	The product does not discolor wood. However, the reaction of iron ions with tannic acid in some woods, especially alders, can cause wood discoloration. To avoid this situation, it is recommended to test before using.

User Guide

Application range	Suitable for hot pressing veneer, UV wood grain paper, fireproof board, CPL, honeycomb board and other processes.
Pressure type	hot press
Substrate preparation	The base material is flat, and the bonded sides are cleaned up, free of oil, dust and other sundries.
Minimum operating temperature	5 °C, When working in winter, please ensure that the factory's operating environment and materials are above 5°C.
Coating temperature	Environment temperature 5-40°C



Amount of distributed glue	<p>Room temperature above 25°C</p> <p>a.The amount of glue for thin sheets with loose wood grains such as Fraxinus mandshurica, oak wood, and white wax is 90±5g/m2.</p> <p>b. The amount of glue for thin-grained thin sheets such as birch and beech is 85±5g/m2.</p> <p>Indoor temperature below 25°C</p> <p>a.The amount of sheet cloth with loose wood grains such as Fraxinus mandshurica, oak wood, and white wax is 85±5g/m2.</p> <p>b. The amount of glue for thin-grained thin sheets such as birch and beech is 80±5g/m2.</p>
Aging time	<p>The assembly time for indoor temperature above 30°C, please complete within 2.5 minutes;</p> <p>Assembling time for indoor temperature above 20-30°C, please complete within 3 minutes;</p> <p>The assembly time for indoor temperature below 20°C, please complete within 5 minutes;</p>
Hot pressing pressure	<p>The pressure of the solid board manufacturing process is 4.0~5.0 kg/cm2;</p> <p>The pressurizing pressure of honeycomb board veneer process is 1.7~2.0 kg/cm2;</p>
Hot pressing temperature	110-120°C
Hot pressing time	<p>45-60 seconds for solid board;</p> <p>80-90 seconds for honeycomb board</p>

Machine

Gluing machine	Single-wheel cloth glue machine, double-wheel cloth glue machine, scraper, etc.
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Operational suggestion and health, safety and environment protection information

Operational suggestion	Gloves and goggles should be worn each time the product is used.
Cleaness	Wash the skin and the glue on the device with warm water. Must be cleaned before the glue is cured

Winlong GW International Technology (Qingdao) Co., Ltd.

Web:<https://www.internetwoodglue.com> Email: iwgytn@gmail.com Whatsapp:+8613929521503



Health, environmental protection and safety	Generally considered to be harmless waste. The remaining gel is left to dry and then disposed of as waste.
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Legal Terms

This information is based on laboratory testing and long-term actual production experience. This is an introductory message designed to help users find the best way to work. Because the end user's production conditions are outside our control, we are not responsible for the results of the work affected by each user's own production conditions. In any case, we recommend testing to determine the appropriate production process parameters prior to use.