



Barloworld
Plascon South Africa

WATERBASED WOOD VARNISH EXTERIOR

TECHNICAL DATA SHEET NO.: L -121-A

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PRODUCT CODE: EWW-range THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description • Premium quality nano-particle water based wood varnish for exterior use on wood.

Intended Uses • Ideal for use on most wooden surfaces such as garage doors, shutters, window frames, doors, garden furniture, gates etc.
• For best results, surface preparation must be followed by a coat of **PLASCON WOOD PRETREATMENT (WWP 1)** before the application of a varnish.

Features

- **WATERBASED WOOD VARNISH** is easy to apply, quick drying and non-hazardous.
- Environmentally friendly
- Low odour
- Has built in UV stabilisers and dry film biocides which make it ideal for outdoor applications, providing long lasting service and weather protection.
- Excellent resistance to stains and repels water and moisture from penetrating the coating.
- Excellent adhesion to new and previously painted wood.

Product Information

Appearance and Colours	Semi Gloss Clear, Mid brown and Oregon
Solids	Approx .20 % by mass; 17 % by volume
Recommended DFT	Min.: 20 µm Max.: 30µm
Theoretical spreading rate	7 m ² /ℓ at 25 µm
Practical spreading rate	Allow appropriate loss factors
Viscosity at 23 °C	75 - 85 KU (typical)
S G at 23°C	1,040 kg/ℓ (typical)
Flash Point	> 65 °C

Application Details

Mixing	Stir thoroughly with a flat paddle until homogeneous.
Substrate	Well prepared wood surface.
Method	Brush.

Thinning **None – ready for use - see Application.**

Cleaning **Water**

Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity
	Min.: 5 °C or 2 °C min. above dew point	Min.: 5 °C	-
	Max.: 40 °C	Max.: 40 °C	Max.: 85 %

Drying time	Touch dry	30 min at 23 °C
	Recoating	4 h at 23 °C
	Dry to handle	4 h at 23 °C

N.B. Freshly painted windows, doors and gates must be allowed to dry for at least 12 hours at 23 °C before closing.

Storage and Packaging

Store away from direct sun, heat and severe cold.

Packaging 1 ℓ and 5 ℓ .

Transportation

This product is non-hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).

WATERBASED WOOD VARNISH

Surface Preparation	<ul style="list-style-type: none"> All wood surfaces must be clean, firm and dry. For best results, surface preparation must be followed by a coat of PLASCON WOOD PRETREATMENT (WWP 1) before the application of a varnish <ol style="list-style-type: none"> NEW WOOD <ul style="list-style-type: none"> Sand in the direction of the grain, to a smooth finish with 150 grit paper. Remove dust with POLYCELL PAINT STRIPPER. PREVIOUSLY VARNISHED WOOD IN GOOD CONDITION <ul style="list-style-type: none"> Sand to a Matt finish to create a bond/key between the old and new coat. Remove dust with POLYCELL PAINT STRIPPER. PREVIOUSLY VARNISHED WOOD IN BAD CONDITION <ul style="list-style-type: none"> Remove old varnish by sanding or with POLYCELL PAINT STRIPPER. Sand bare wood to a smooth finish. Remove dust with POLYCELL PAINT STRIPPER. WOOD PREVIOUSLY COATED WITH (WAX SEALER/OIL BASED WOOD PRESERVATIVE) <ul style="list-style-type: none"> Strip completely using POLYCELL PAINT STRIPPER. Deep sand to remove residual wax / oil from grain, sand until there is no evidence of any residual. Remove dust with POLYCELL PAINT STRIPPER. PREVIOUSLY PAINTED WOOD <ul style="list-style-type: none"> Strip old paint by deep sanding or by using POLYCELL PAINT STRIPPER. Sand bare wood to a smooth finish. Remove dust with POLYCELL PAINT STRIPPER. DISCOLOURED OR WEATHERED WOOD <ul style="list-style-type: none"> Sand with 100 grit paper to remove the discoloured or weathered layer. Sand bare wood to a smooth finish with 150 grit paper. Remove dust with POLYCELL PAINT STRIPPER. KNOTS IN WOOD <ul style="list-style-type: none"> Apply Plascon WOODCARE KNOT SEAL (PK2)
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NOTE: Do not thin Waterbased Varnish - apply as supplied. Freshly painted windows, doors and gates must be allowed to dry for at least 12 hours at 23 °C before closing.

Application	<ul style="list-style-type: none"> Do not apply in a dusty environment. Apply the first coat by brush. Allow to dry for 4 hours. Repeat second and third coats in the same manner Apply at least 3 coats to new and old wood. Sand lightly between coats with fine paper to denib. Dust off with wet cloth. This removes upstanding wood fibre ends and dust particles which could act as wicks to draw moisture in behind the film and shorten the life of the coating. When coating exterior wood special attention must be given to the adequate sealing and coating of the end grain. Exterior wood subject to severe climatic conditions and un-seasonal weather should be re-varnished every 1 – 2 years to prevent substrate degradation.
Safety Precautions	<ul style="list-style-type: none"> Always keep paint out of reach of children. Ensure good ventilation during application and drying. If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. Do not smoke while painting. Store in a cool dry place away from heat and sparks. Refer to Material Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B.: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

BARLOWORLD PLASCON SOUTH AFRICA (PTY) LIMITED

CAPE TOWN:

P O Box 42
Eppindust 7475
Tel: (021) 505-2400
Fax (021) 534-3791

DURBAN:

Private Bag X16
Mobeni 4060
Tel: (031) 451-3200
Fax: (031) 451-3411

MOGALE CITY

(KRUGERSDORP):
Private Bag X4010
Kenmare 1745
Tel: (011) 951-4500
Fax: (011) 955-4136

PORT ELIZABETH:

P O Box 1594
Port Elizabeth 6000
Tel: (041) 401-1400
Fax: (041) 453-4596