



# D.1 PRO

## SATURATING WOOD OIL FOR HARDWOODS



### PRODUCT DESCRIPTION

D.1 PRO with added UV inhibitors is an oil which saturates the wood, literally feeding it with oil to replace those lost. Driving out moisture and air, filling the woods pores with oil, it enriches and stabilises to provide long lasting protection to interior and exterior timber. Non-film forming, D.1 PRO enhances the natural beauty of the wood while being easy to maintain, requiring no sanding or stripping.

### BASIC USES

- Hardwoods: Ipe, Teak, Cumaru, Iroko, Mahogany....
- Horizontal and vertical surfaces.
- Exterior: Decking, Garden furniture, Fences, Cladding, Joinery....
- Interior: Floors, Stairs, Doors, Windows....

### PROPERTIES

- High UV resistance.
- Ideal for dense, greasy, or difficult-to-impregnate hardwood.
- Long lasting natural finish.
- Excellent penetration.
- Non-film forming.
- Mildew resistant finish.
- Easy to use. Easy to maintain (no stripping, no sanding).
- Allows local touch-ups.

### FINISH

Matt

### SIZES

1L, 5L, 20L, 200L (Clear Only)

### USAGE

Interior/Exterior



Clear



Honey Gold

### TECHNICAL DATA

Vehicle Type	Alkyd resins
Solvent Type	White spirit
Specific Gravity	At 20°C (68°F): 0.85 ±0.03
Viscosity	28cP ±5
Solid Content	32% ±2
Flash Point	63°C (145.4°F) (closed cup – NF T60-103).
Shelf Life	2 years in original unopened packaging.
VOC	EU limit value for this product (cat. A/f) 700 g/l (2010). This product contains max. 625 g/l.
Application Tools	Brush, Roller, Spray: Airless 35-65 bars (507-942 psi), HVLP.
Dilution	Use as is. Do not dilute.
Coverage	Initial: 1 to 4 m <sup>2</sup> per litre. Maintenance: 8 to 12 m <sup>2</sup> per litre. Actual coverage will vary depending on application method, type, texture, age and porosity of the wood.
Drying Times	At 20°C (68°F) and 50% RH. 24 hours depending on temperature and humidity. 1-3 days for putting into service.
Clean-up	Clean all tools and equipment with white spirits while still wet. If allowed to dry, remove with paint stripper. Wipe up any drips or runs immediately with a cloth soaked in white spirits. Dried D.1 Pro may be removed with DILUNETT®*. <b>NOTE:</b> D1 PRO is not classed as flammable, however any rags etc. soaked in D1 PRO may spontaneously catch fire if improperly discarded. Rags etc. must be saturated with water after use or placed in a sealed, water filled metal container, alternatively rags may be laid out flat to dry before disposing of.
Storage	Left over D.1 PRO should be transferred to a smaller, airtight, closed metal or glass container. Keep from freezing and high temperatures.

## GOOD APPLICATION PRACTICE

Cover everything you do not wish to coat.

Apply between 5°C (41°F) and 30°C (86°F). Do not apply in direct sunlight or hot surfaces. Wood surfaces in direct sunlight can reach temperatures of 60°C (140°F) even when the air temperature is 30°C (86°F).

Do not apply if cold and/or wet weather is expected within 24 hours.

Always work the entire length of a board to a logical break. Never stop application in the middle of a board.

Vertical cladding should be coated from top to bottom.

After spray application, always back-brush or back-roll to improve penetration and uniformity of coverage.

Ensure wood is dry - max 18% moisture content.

Do not allow to dry between coats - apply D.1 PRO wet-on-wet.

Always work large areas in zones.

## SURFACE PREPARATION

### GENERAL DIRECTIONS

Surfaces must be clean, dry and free of dirt, grease, grime, mildew and previous coatings. Treat mildew with a 50/50 bleach/water solution. Scrub solution on to surface and allow to stand for 10-15 minutes, rinse thoroughly.

After cleaning, allow wood to dry 2-3 good drying days or until it has reached a moisture content of 18% or less before applying D.1 PRO.

D.1 PRO may only be applied to bare wood surfaces or a weathered wood surface that was previously finished with D.1 PRO.

ALL other finishes must be completely and thoroughly removed.

If necessary, sand surface after cleaning and/or stripping (80 grit or coarser).

### NEW WOOD:

New wood surfaces have a hard shiny surface called mill-glaze that prevents maximum penetration and adhesion of any finish. This should be removed to ensure maximum performance of the finish.

Treat with AQUANETT®\* or PREPDECK®\* and neutralise with NET-TROL®\*.

Iroko, Azobe, Padouk: see **restrictions**.

### UNTREATED WEATHERED WOOD:

Wood that has weathered longer than 12 months or turned grey should be cleaned with NET-TROL®\* to remove all loose wood fibres, dirt and other surface contaminants. If wood is severely contaminated, clean with AQUANETT®\* or PREPDECK®\* and neutralise with NET-TROL®\*.

### PREVIOUSLY COATED SURFACES (Oil, Paint, Stain etc.):

All previous coatings must be completely and thoroughly removed.

Oils: Strip with AQUANETT®\* or PREPDECK®\*. Neutralise with NET-TROL®\*.

Solvent (oil or alkyd-based finishes): Strip with PREPDECK®\* or DILUNETT®\* depending on the finish. Neutralise with NET-TROL®\*.

Acrylic finishes (Water-based): Strip with PREPDECK®\*. Neutralise with NET-TROL®\*.

Other finishes i.e. 2 pack epoxies, urethanes...: Strip with DSP 800\*.

**Note:** Hardwoods incl. exotic hardwoods and woods rich in tannins i.e. Oak, Chestnut, Teak, Ipe, Balau... will darken with AQUANETT®\*, PREPDECK®\* or DILUNETT®\*. Neutralising with NET-TROL®\* immediately after rinsing will lighten and restore the woods colour.

**Note:** It is imperative that a contact time test is done when using AQUANETT®\*, PREPDECK®\* or DILUNETT®\* on Oak, Chestnut and other high tannin content woods to avoid permanently darkening the wood – Refer to the relevant TDS.

## SURFACE PREPARATION (cont.)

### Interior:

Thoroughly remove any existing coatings with DSP 800\* or by mechanical abrasion.

Sand wood with 100 grit paper or coarser depending on wood species to open the pores.

Dust off and wash with Methylated Spirits (Denatured Alcohol), Acetone or similar (NOT White Spirit) to degrease the surface and remove any remaining sanding residue.

Allow to dry.

**Note:** After completing the "Surface Preparation" (New, Untreated Weathered, Previously Coated), sanding may be required to knock off loose wood fibres and smooth out any wild grain in order to improve the overall look of the finish. If sanding is required then the use of an 80 grit or coarser abrasive is recommended. The actual grit used will depend on the age, condition and species of wood to be sanded.

## APPLICATION

Shake or stir can well before and during use.

Apply a 1st liberal application of D.1 PRO in the direction of the grain and allow to penetrate (normally 15-30 minutes).

Apply a 2nd application as soon as the first has penetrated and allow to penetrate.

Continue this "wet-on-wet" application of D.1 PRO until wood is saturated i.e. will accept no more oil.

Leave final application 20-30 minutes then brush out or wipe up excess product that has not penetrated to avoid shiny spots.

Do not allow D.1 PRO to become touch dry or dry between applications.

**Note:** D.1 PRO is not a surface coating, its place is in the wood not on the surface. D.1 PRO protects by penetrating the wood, providing a rich matt finish.

Continually brushing or rolling in a back and forth motion over the treated surface will aid penetration, while finishing off in one direction along the length of the board will even out the appearance.

## MAINTENANCE

D.1 PRO will gradually lighten over time due to exposure to the sun and UV rays.

Maintenance is due when the finish has faded and started to turn grey. Surfaces with harsh exposure to the sun, weather and foot traffic will show wear more quickly than other areas.

Areas retaining good colour do not need re-treating.

Clean surface with NET-TROL®\*.

Re-apply D.1 PRO as directed under "Application".

## RESTRICTIONS

The tannins and natural oils in wood such as Iroko, Azobe, Padouk impede the penetration and drying of finishes. These wood species should be thoroughly prepared or allowed to weather for 12 months before applying D.1 PRO. Contact us for preparation advice.

Plywood - Contact us.

## SAFETY

Refer to the safety data sheet (SDS) available at [www.owatrol.com](http://www.owatrol.com) and the text on the label. Keep out of the reach of children.

This Technical Data sheet cancels and replaces any previous Technical Data sheet for the same product. Its purpose is to inform the user about the product. The information contained within this Technical Data sheet is based on our current knowledge. However, the information contained within this document cannot replace a specification appropriate to the nature and conditions of the substrate to be coated. Due to ongoing technical advances, it is the responsibility of the user to establish that this document has not been superseded by a more recent edition. The information contained within this document is for guidance only and the manufacturer is unable to guarantee or accept responsibility for the results as it has no control over the conditions under which its products are applied.

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