



AQUALIS®

H₂OIL



- **DEEP PENETRATING FORMULA**
- **UV PROTECTION**
- **SUPERIOR DIRT & MOULD PROTECTION**
- **WATER REPELLENT**
- **USE ON INTERIOR & EXTERIOR TIMBER**
- **LONGER LASTING FINISH**

WATER BASED TIMBER & DECKING FINISH

Intec H₂OIL water based Timber & Decking Finish is a long lasting premium grade water based timber finish made from superior ingredients and pigments. The penetrating formula is designed to coat and protect the timber from the harsh Australian conditions. It produces a transparent natural finish in various colours leaving the timber looking new and natural. H₂OIL also rejuvenates previously coated, stained or oiled timber bringing back its natural beauty.

Uses: Intec H₂OIL water based Timber & Decking Finish is suitable for all exterior and interior timber including decks, pergolas, walkways, hand rails, fences, furniture, wall cladding, doors, windows, rough sawn timber, etc.

Area of Use: Exterior and interior timber surfaces.

Product Data:

TYPICAL PRODUCT DATA

Colour(s) Transparent	Clear, Natural, Light Oak, Western Red, Jarrah, Merbau, Pine, Weathered Grey, Trans Black, Black Japan and White
Finish	Medium / High Gloss and will increase with extra coats
Packaging size	4 Litre, 10 litre

NOTE: Whatever the application, ensure that the oil is rubbed into the timber grain and is not allowed to sit on the surface as this will affect the longevity of the finish.

Touch Dry: 10 minutes at 25°C and 50% humidity.

Re-Coat: 1 hour. Decking can be walked on as soon as the surface dries but will need 2 - 3 hours before furniture is put on the surface.

Wash Up: Clean up in cold water.

Coverage: Up to 20m²/ltr, depending on surface texture and porosity of the timber.

SURFACE PREPARATION / APPLICATION: *Performance of the coating depends on the quality of the surface preparation.*

NEW TIMBER COATING

All grease, oil, grime, sap, tannins and other contaminants must be removed using **H₂Timber Clean** and washed with **H₂Timber Prep** water based oxalic acid to neutralise and open the surface (this is very important).

PREVIOUSLY PAINTED TIMBER

It is advised that painted or oiled surfaces be sanded back to raw timber before application of **H₂Oil**, or alternatively apply water based **H₂Gel Strip** assisted by scouring to remove stains, acrylic, polyurethanes, decking oils etc followed by washing with **H₂Timber Prep** oxalic solution to neutralise the surface (this is very important).

OLD WEATHERED TIMBER

For grey weathered timber / remove surface growth, moss, lichen, mould, etc. Mix 1 part household bleach to 1 part water and apply to a wetted deck using a stiff scrubbing brush. Wait for 10 minutes and thoroughly rinse with fresh water. After all sanding and stripping has been completed and prior to application of **H₂OIL**, clean and neutralize the surface with **H₂Timber Prep** as per mixing ratio and application instructions on the container. Thoroughly rinse the surface with water jet and allow 24 hours for the timber to dry.

NOTE:

- Do not apply **H₂OIL** on wet timber as this may result in film defects such as loss of adhesion and uneven pigmentation. Kiln dried timber with a moisture content between 10 –15% is the optimum recommendation.
- Apply **H₂OIL** by lamb's wool applicator or brush and hand cloth for optimum protection and adhesion. (Refer to product application procedure).

APPLICATION

Procedure:

Apply **H₂Oil** water based timber oil to 3 - 4 boards at a time allowing for an even coating repeating this process until all boards have been coated. Always maintain a wet edge. Do not apply the **H₂Oil** timber oil if rain or night moisture is imminent within 2 hours of application.

1st Coat:

Apply **H₂Oil** using a lamb's wool applicator, brush or rag, rubbing thoroughly into the grain of the timber to achieve good penetration. Wipe off all excess material with the applicator/cloth and allow 1 - 2 hours for curing depending on the weather conditions.

2nd Coat:

Subsequent coats may be applied as outlined above ensuring **H₂Oil** is evenly rubbed into the timber. Usually 2 coats are adequate for timber decking and up to 3 coats for areas of high UV. Note: Colour will deepen with the number of coats applied.

RECOATING OF AGED H₂OIL COATINGS

It is recommended that an annual inspection of the **H₂Oil** coating is carried out to determine if any maintenance is required. If another coat is to be applied:-

Wash the surface removing oil stains, dirt and grime. Any grey timber must be treated with **H₂Timber Clean** to restore the timber as per 'weathered timber instructions'. Remove excess water using dry cloth or squeegee and allow surface to dry. If needed, lightly sand with 180 grit paper and dust off prior to re-application with **H₂Oil**, generally one coat is sufficient.

APPLICATION DATA	
Drying times @ 25°C, RH 50%. Cooler temperature, higher film thickness or high humidity conditions will require longer drying. The surface to be painted must be at least 3°C above the dew point. Do not apply if humidity is greater than 85% or temperature is below 5°C.	
Touch Dry	10 - 15 minutes depending on method of application. (Note dry time will improve if applied on hot timber decks and be extended if applied in cold damp climate or in humidity >70% with poor airflow).
Dry to Handle/Stackable	As above - if faster dry time is required, this can be arranged as a special order.
Recoat	1 hour or longer. Refer above depending on climatic conditions.
Clean-up	Water
DFT (μ) per coat	5 - 10 μ
Coverage (m ² /ltr)	Up to 20m ² /ltr depending on porosity of timber.
Number of Coats	(1 or 2) One to two with application by flat lamb's wool applicator or brush and (3) three if applied by cloth.
Recoat	2 - 4 years or as required in high UV or arid areas.
Application Equipment	Flat lamb's wool applicator, hand cloth and paint brush. Pressure pump spray, production line spraying (remove excess immediately by brush, lamb's wool applicator or rag).

GENERAL INSTRUCTIONS

- H₂Oil** can only be applied to raw timber or timber which has been previously finished in **H₂Oil**. All other oils or coatings must be thoroughly stripped clean or sanded down to raw timber using 40-80 grit sand paper. Remove all surface coatings including lacquers oils and stains. Sand back to bare timber or remove with **H₂Gel Strip** water based stripping agent to achieve a transparent new appearance.
- Timber fill holes and imperfections:** use suitable water based filler/putty. Sand smooth and dust clean.
- Resinous and air-dried timbers:** Timber such as merbau, spotted gum, tallow wood and jarrah should be cleaned with **H₂Timber Clean** to remove natural tannins and oils.
- Other softwood and hardwood timbers:** coat the timber immediately after construction. Refer to cleaning instructions prior to coating **H₂Oil**.
- H₂Timber Clean:** Remove all tannins and natural oils using **H₂Timber Clean**. (Refer to the application methods on container.)
- H₂Timber Prep:** Clean the surface with **H₂Timber Prep** to remove any oil, dirt or fungus from the surface. Refer to the application method on the container. Allow 24 hours for the timber to dry prior to coating.
- H₂Gel Strip:** Breaks down and removes previous coatings and oils, activation time can vary depending on age and type of previous coating. Refer to instruction sheet on working instructions.
- Timber Exterior/Interior:** Apply a minimum of 2 coats using a good quality brush or flat lambs-wool applicator. Refer to geographical location for recommended minimum coats.
- Geographical location:** A minimum of 2 coats is to be applied to all timber surfaces and 3 coats for the ragged on coating process. In hot arid, dry climate conditions or North facing timber decks, 3 coats may be required and a fresh coating may be required every 12 to 18 months.

MAINTENANCE

H₂Oil will give a long life and it is recommended that a regular inspection of the surface should be done every 12/18 months, if the surface is showing signs of deterioration, reduced colour or luster; it is recommended that a fresh coat be applied to maintain full protection of the timber. Wash the timber surface with **H₂Timber Prep** as per above instructions and apply 1- 2 coats of **H₂Oil** to rejuvenate the coating.

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