

16/01/25

H2OIL

H2OIL is a waterborne self-priming timber finish designed for use on all timber surfaces. H2OIL exhibits excellent exterior, durability, it penetrates deep into timber sealing and stabilizing its fibres to minimize the effects of exposure to weather and sun.

- **Product:** H2OIL, water based colour and clear finish.
- **Standard Colours:** Natural, Merbau, Jarrah, Western Red, Light Oak, Weathered grey, Trans Black, Black Japan
- **Clean up:** Water
- **Drying Time** 20 minutes touch dry at ambient temperature of 25° C with good ventilation.
(Note drying times will be slower in cold damp conditions or if applied in high humidity)
- **Recoat Time** 1 hour minimum at recommended ambient conditions of 25°C.
- **Exposure Performance**
 - Exterior exposure** up to 18mths, or as required.
 - Under cover** up to 24 months, or as required.
- **Heat** Thermoplastic, will soften at elevated temperatures.
- **Solvent** Fair
- **Acid** Fair
- **Alkali** Fair
- **Salt** Good
- **Abrasion** Good
- **Coverage** up to 20 m²/lt depending on timber species and porosity.
- **Container Size** 4, 10lt
- **Shelf Life** 12 months in original un-opened package
- **Finish (3 coats)** Gloss and Low sheen

Uses: Designed as a one step, self-priming topcoat system for all interior and exterior woodwork, furniture, and timber structures. H2OIL is suitable for use on properly prepared hardwoods and soft woods. Ensure that all timber surfaces to be sealed are stripped of oils and tannin using Timber Clean/Timber Prep prior to H2Oil application, follow guidelines on labels or data sheets.

APPLICATION

Application Tools

- Lamb's Wool Applicator, brush, roller, spray

Note: Whatever the application technique, ensure H2OIL is rubbed well into the timber grain and that any excess oil is wiped off evenly from the surface. Colour will deepen with the number of H2OIL coats applied. All colours in the range are formulated to enhance the natural colour of the timber species being coated. It is up to the end user to determine which H2Oil colour or blend is used to achieve the desired result.

For further information on product use or product selection, please consult nearest distributor or place of purchase.

Ambient Recommendations

- Do not apply H2Oil below 10°C.
Do not apply H2Oil in high temperatures (above 30°C) in direct sunlight or windy conditions.
- Do not apply with relative humidity above 85% or if rain is imminent within 72 hrs of application.
- Deck must be dry. Do not apply on wet decking
- If the decking surface is too hot to walk on bare foot, do not proceed with coating until surface has cooled down to below 30°C.
- Avoid application in direct sunlight. (to avoid blotchy un-even look apply over small sections (three full timber lengths at a time) by wool applicator/brush/roller/spray and immediately wipe off any excess H2OIL evenly, do not allow to pool on the surface)
- Performance of the coating system is dependent on the condition and correct preparation of the timber substrate. Open grained, decaying or cracked timber should be repaired or replaced.
- Optimum durability is attainable provided a dry film thickness of 30 – 50 microns is achieved. Low film builds or excessively high builds may compromise both the appearance and coating durability.
- Do not apply over existing solvent or water-based oils/coatings/cleaners or pretreatments other than Aqualis H2Oil or Aqualis cleaning and pre-treatment products.

Application guidelines for H₂Oil

New Timber

General Surface preparation Guidelines

- Good practice to cover existing paint work and metal fixtures with plastic.
- Ensure all timber is washed correctly before applying H2Oil, especially **pre-oiled timbers**. Pre-wash all timber surfaces to be coated with **Aqualis Timber Clean** solution (refer to label instructions), thoroughly pre-wet the surface and surrounding walls and vegetation with water, scrub into the surface with a soft bristle broom or brush and allow to stand for 3-5 min. Do not allow the surface to dry out.
- Neutralise the timber surface by thoroughly washing with **Aqualis Timber Prep** solution (refer to label instructions) once again scrub into the surface using a soft bristle broom or brush. Allow to activate for 3-5 min and thoroughly rinse with garden hose jet.
- Allow timber to surface-dry and if required, lightly sand with 80-150 grit paper to remove raised timber fibres or any remaining surface impurities.
- Allow 1-2hrs to achieve good surface drying prior application of H2OIL.
- 'Water test' the surface of the deck before coating. Sprinkle water on at least three random sections of deck. The water must instantaneously absorb into the timber and not bead on the surface. If water beading occurs or the surface is resistant to water penetration, do not commence coating. Repeat the Timber Clean /Timber Prep cleaning treatment to ensure correct surface absorption properties are achieved.
- Apply **H2OIL** by lamb's wool applicator or suitable brush. Apply liberally and work well into the timber grain and fibres wiping off evenly any excess **H2OIL** as you proceed.
Application of **H2OIL** should be done by applying to three or four full length boards at a time, whilst always maintaining a wet edge to avoid lap marks. Do not apply heavily and avoid excess material pooling on the surface as this will result in drying issues, dirt retention and blotchiness. Continue this procedure until the full deck has been coated.
- Re-coat once the previous coat is dry enough to walk on without leaving a print, in optimum conditions, and correct application of previous coats, this can be approximately one hour.
- Recommended three coats to achieve a dry film build of 40-60 microns.

Previously Painted/Oiled Timber

Only apply H2Oil on to raw timber or timber which has previously been coated with H2Oil. All other solvent-based oils or coatings should be thoroughly stripped or sanded back to bare timber.

- Old solvent or water-based coatings can be removed using **Aqualis StripEase**, follow recommended guidelines.
- Old solvent-based oils can be washed with **Aqualis Timber Clean**, follow recommended guidelines.
- Once the old coating has been totally stripped away, **pre-wet** the surface and all surrounding walls, metal surfaces and vegetation with water then neutralise the timber surface by thoroughly washing with Timber Prep solution (follow mixing and application instructions), rinse with garden hose jet and as soon as surface is dry (approx. 1-2 hrs), lightly sand with 80-150 grit paper to remove raised timber fibres or any remaining surface imperfections **if required**.
- Water test the surface of the deck before coating. Sprinkle water on at least three random sections of deck. The water must instantaneously absorb into the timber and not bead on the surface. If water beading occurs or the surface is resistant to water penetration, do not commence coating. Repeat the Timber Prep /rinse treatment to ensure correct surface absorption properties are achieved.
- Apply **H2OIL** by lamb's wool applicator, suitable brush roller or rag on for optimum protection and adhesion. Apply liberally and work well into the timber grain and fibres wiping off evenly any excess **H2OIL** as you proceed.
Application of **H2OIL** should be applied to three or four full lengths of board at a time, whilst always maintaining a wet edge to avoid lap marks. Do not apply too heavy and avoid excess H2Oil pooling on the surface as this will result in drying issues, dirt retention and blotchiness. Continue this procedure until full deck has been coated. (Re-apply after one hour or once coating is dry enough to walk on).
- Recommended 2 - 3 coats to achieve a dry film build of 40-60 microns.

Timber Prone to Oil, or Tannin Bleed

- Ensure the surface is free from dirt, grease, and mould.
(If mould is present pretreat cleaned surface with Aqualis No Fungal Pro.)
- Clean with **Aqualis Timber Clean** solution (refer to label instructions), thoroughly pre-wet the surface and surrounding walls and vegetation with water, scrub into the surface with a soft bristle broom or brush and allow to stand for 3-5 min. Do not allow the surface to dry out.
- Neutralise the timber surface by thoroughly washing with **Aqualis Timber Prep** solution (refer to label instructions) once again scrub into the surface using a soft bristle broom or brush. Allow to activate for 3-5 min and thoroughly rinse with clean water. Allow timber to surface-dry (1-2 hrs) and if required, lightly sand with 80-150 grit paper to remove raised timber fibres or any remaining surface impurities.
- Apply one coat of **Aqualis Timber Seal** as per label instructions and allow two hours drying.
- Apply subsequent coats of **Aqualis H2Oil** as per above.

Areas Prone to Mould Growth

Areas which are subject to persistent mould infestation need to be treated with **Aqualis No Fungal Pro**. If mould growth is persistent, the cause may be environmental, site or structurally specific and may need to be addressed to eliminate the problem. Factors such as poor soil drainage, inadequate ventilation, structural faults, absent moisture barrier, lack of maintenance or a combination of which may all contribute to mould, mildew, algae, or lichen regrowth. Treating the surface may intermittently minimize microbial regrowth on the 'surface', however underneath will continue to be a problem so long as the root cause has not been eliminated. In many cases constant maintenance and occasional antimicrobial treatment may be required.

- Clean the surface as outlined above using Aqualis Timber Clean/Timber Prep but ensure the surface has been scrubbed clear of any microbial growth such as mould, mildew, lichen, and algae. Allow to dry completely before treating with Diluted No Fungal Solution (Follow Label Instructions for dilution ratio and correct application).
- Apply diluted No Fungal liberally, work well into the timber allowing chemical to thoroughly soak in. Usually one coat is adequate, for severely affected areas a second treatment may be necessary.
- Allow surface to completely dry out (2-4 Hrs). Ensure all treated wet areas are secured from household pets.
- Once the surface has dried completely, apply **Aqualis H2Oil** as illustrated above.

Anti-slip Requirements

- If an anti-slip surface is required, for example on stairs or wet areas, then refer to **H2Oil Traction** data sheet to achieve a P4 or P5 slip rating as per AS/NZS 4586-2013.

Maintenance

If protected from direct sunlight and with light foot traffic H2Oil may only need to be recoated once every 2-4 years, follow the recommended application guidelines.

Extended exterior durability can be achieved provided timber is protected from elements of weather and direct sunlight. Intermittent cleaning every three months with **Aqualis Deck Bright** keeping the surface free from algal, mould or lichen growth, tree sap, sea salt and dirt will also extend the life of the coating. Although all raw materials used in this product exhibit excellent U.V. resistance, the coating film itself cannot prevent timber fibres from breaking down from long-term exposure to direct sunlight, eventually resulting in coating failure.

Heavy foot traffic areas exposed to direct sunlight and abrasive sand will show obvious signs of wear quicker than shaded, light traffic areas. It is therefore the discretion of the end user to ensure surfaces are kept clean and coated as required every 12 / 24 mths to ensure extended life.

Coated decking should be periodically checked for signs of weathering or damage which may include fading of colour, greying timber, dry patches, deep scratches, water ingress or staining. Early signs of surface defects should be repaired immediately. Treat the surface with Deck Bright and apply a maintenance coat of H2Oil as detailed above to extend durability.

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