

DRYDEN®

WOODOIL THE NATURAL CHOICE FOR YOUR TIMBER

Dryden Decking & Hardwood WoodOil Data Sheet

Dryden Decking & Hardwood WoodOil is a specially designed rapidly migrating oil for walk on decking surfaces and hardwoods.

Dryden Decking & Hardwood WoodOil is a water-repellent, non-filming, timber protector. Dryden Decking & Hardwood WoodOil's water repelling properties help prevent the absorption of water deep into timbers, reducing excessive warping, cupping, and splitting of timber, thus extending the service life of those timbers.

Dryden Decking & Hardwood WoodOil is a **true migrating oil**. It does not film on the surface, and therefore will not crack, flake or peel. When applied the timber will weather naturally and silver over time. Added water repellents and a fungicide assist in keeping the timber dimensionally stable.

Note: Dryden Decking & Hardwood WoodOil cannot be coloured using Dryden ColourTone tints.

Dryden Decking & Hardwood WoodOil is made in New Zealand and specially designed for New Zealand conditions.

Dryden Decking & Hardwood WoodOil has been specially designed for most decking species, such as Radiata Pine, Macrocarpa and hardwoods like Purpleheart, Garapa, Vitex, Kwila, Tonka, Rosewood, Iroko, Jarrah and Modified Timbers to name a few.

It can also be applied to hardwood- joinery, beams, pergola, dressed or bandsawn timbers.

Note: When Dryden Decking & Hardwood WoodOil is applied, timber in exposed environments will **weather naturally and silver over time**. This means that the natural timber colour will be maintained under covered areas while transitioning out to silver in exposed areas.

Note: Dryden Decking & Hardwood WoodOil will wet and darken the timber surface when applied. This will subside once it has migrated away from surface into the timber. Dryden Decking & Hardwood WoodOil will highlight the timber's natural grains.

Dryden ColourTones

Dryden Decking & Harwood WoodOil **cannot be tinted** with Dryden ColourTones as it will not hold the tint.

Coverage Rates Are Important

Dryden Decking & Hardwood WoodOil migrates into timbers and does not dry on the surface. Coverage rates are important; if too much is applied at once it will remain wet on the surface as there is no space for oil to migrate.

In most situations, when applied at the correct coverage rate, Dryden Decking & Hardwood WoodOil will lose its **gloss/wet look** from the face of the timber within 24 hours.

Dryden Decking & Hardwood WoodOil coverage rates and coating times may vary due to seasonal temperature, timber porosity, moisture content, timber type and previous coats applied.

Coverage Rates *(Approximate only)*

Dressed Decking Timber 10-12m² (low density) per litre

Hardwood Timber 12-14m² (high density) per litre

Dryden Decking & Hardwood WoodOil coverage rates are approximate only and may **need to be adjusted** at times, to match the timber and the timbers ability to accept migration of Dryden Decking & Hardwood WoodOil. **Note:** All gloss/wet look should be gone by the next day.

When applying second coat or a maintenance re-coat application, rates will vary depending on timbers exposure (covered/uncovered etc) and time frame between coats or since last maintained. **Note:** All gloss/wet look should be gone by the next day.

Wet Film Thickness

12m² Dryden Decking & Hardwood WoodOil =83µm

14m² Dryden Decking & Hardwood WoodOil =71µm

Product Weight

1L Dryden Decking & Hardwood WoodOil; Approximately 0.856KG.

Coating Systems

New Decking: Two coat system

First Coat factory applied, or site applied prior to fixing

Second coat prior to winter but not within six months from the application of the first coat.

Six Months Explained:

Six months between first and second is the minimum time frame between coats, to allow time for the first coat to migrate away from the surface, leaving space for the second coat.

Applying Dryden Decking & Hardwood WoodOil before the recommended time frames means the first coat will not have had sufficient time to migrate away from the surface leaving **no** space for the second coat.

As a result, the oil will sit on the surface delivering a glossy wet look instead of the desired matt finish. The wet surface not only means that the oil can be readily transferred to shoes, but it also allows for more contaminants to stick to the surface which encourages mould growth.

Remember that the **gloss/wet look should have disappeared** by the next day. Coating earlier than recommended is not advised.

Modified Decking Timber (Acetylated, Thermally):

Modified Decking timbers are timbers that have had a chemical structure change and become very dry. Lower moisture levels create more space within the timber for oil to migrate into and therefore the timber requires more oil than standard timbers.

First Coat factory applied, or site applied prior to fixing.

Second Coat 3 months after fixing.

Modified Decking Timber 3 months explained:

3 months after fixing (installation) is the minimum time frame between coats. This is to allow time for the first coat to migrate away from the surface, leaving space for the second coat.

When pre-coated timber is delivered wrapped or stacked face to face after onsite pre-coating, migration of the oil into the timber **will not take place**. The migration process only begins when the timber has been fixed and exposed to the elements.

Applying Dryden Decking & Hardwood WoodOil before the recommended time frames means the first coat will not have had sufficient time to migrate away from the surface leaving **no** space for the second coat. As a result, the oil will sit on the surface delivering a glossy wet look instead of the desired matt finish. The wet surface not only means that the oil can be readily transferred to shoes, but it also allows for more contaminants to stick to the surface which encourages mould growth.

Remember that the **gloss/wet look should have disappeared** by the next day. Coating earlier than recommended is not advised.

Interior: One coat system

Second coat can be applied ***only*** if required, and only after a minimum 30-90 days post first coat application.

Second coat application on interior timber, migration can be slower due to not being exposed to the elements. Dryden Decking & Hardwood WoodOil coverage rates are approximate only and may **need to be adjusted** at times, to match the timber and the timbers ability to accept migration of Dryden Decking & Hardwood WoodOil. **Note:** All gloss/wet look should be gone by the next day.

Restoration & Refurbishment: Two coat System

First initial coat followed by second coat not within 6 months from completion of the initial coating system.

Note: Refer appropriate section for full information on coating systems

Application Tools

Dryden Decking & Hardwood WoodOil applies easily and rapidly and can be applied by:

Speed brush: Preferred application method. Fine bristled speedbrush. (**Not** lambskin or long pile speedbrushes)

Spray: Use airless spray equipment.

Brush: For uneven or rough surfaces, a wide good quality bristle brush is best.

Roller: Use a medium nap for most timbers.

Decking Building Requirements

Most timber suppliers recommend pre-coating decking timber on all four sides and cut ends prior to installation, this helps to minimise surface checking, cupping and slow moisture transference into and out of timber, maintaining a more consistent moisture equilibrium.

Timber manufacturers and suppliers have installation requirements, E.g. minimum height above ground level, ventilation etc. Dryden strongly recommend that all requirements from timber manufactures and suppliers are followed.

Refer timber manufactures and supplier's data sheets.

All Local Government Building Codes requirements must be followed.

Failure to follow all requirements from timber suppliers and Local Government may contribute to significant issues for the timber and coatings used and may void all warranties.

Timber Preparation

All timbers delivered to site must be protected and covered from rain, environmental grime, concrete, cement dust, metal filings and site contaminants. All coated/uncoated timber must be stored off the ground when not fixed.

Temperature Ranges:

Factory and building site precoating application should be completed in a suitable environment, with adequate lighting, ventilation and with the air temperatures between 12°C and 25°C, humidity <75%. Cool temperatures will cause Dryden Decking & Hardwood WoodOil to become thicker, slowing the migrating process and remain wet on the surface. Storing Dryden Decking & Hardwood WoodOil in a warm and dry environment prior to use will assist with migration.

Moisture Content:

Do not apply to exposed timber if rain is expected within 6-8 hours of application. Dryden Decking & Hardwood WoodOil should only be applied to dry timbers (ideal conditions is dry weather).

Timber moisture content must not exceed 18%.

Substrate Standard:

If any substrate or surface cannot be brought up to the standard that will allow, the coating to perform as specified, then do not proceed until remedial work is carried out.

Preparing Dressed Timber:

Dressed hardwood timber **must** be sanded to remove mill glaze prior to application of first coat for better migration into the timber. Softwood decking such as Radiata Pine may not require sanding unless mill glaze is severe.

Interior Hardwood Timber:

Work through the grades of sand paper up to 240 grit sanding linearly along the boards until the desired affect is achieved.

Never sand in small areas, always sand the full length of the timber.

Sanding imperfections will show through Dryden Decking & Hardwood WoodOil, so care must be taken.

Do not over sand surface as this can create similar characteristics as mill glaze.

Timber should be free from raised or woolly grain, planing burrs or other machining defects.

Remove all sanding dust.

Exterior Hardwood Timber:

Dressed hardwood timber surfaces must be sanded linearly along the timber grain using up to 180 grit paper until desired affect is achieved.

Never sand in small areas, always sand the full length of the timber.
Sanding imperfections will show through Dryden Decking & Hardwood WoodOil, so care must be taken.
Do not over sand surface as this can create similar characteristics as mill glaze.
Timber should be free from raised or woolly grain, planing burrs or other machining defects.
Remove all sanding dust.

Preparing Hardwood Bandsawn Timbers:

Thoroughly brush along the direction of the grain to remove dust, loose timber fibres and debris. After brushing, turn over timber and knock several times to ensure all loose fibres fall off.

Protect:

Protect newly coated timber from damage. Take all relevant precautions to protect timbers from sub trade contamination such as, dust, dirt, aggregate concrete wash, concrete cutting, metal grinding, paint splatter, etc.

Envelope Seal all Timbers:

All timbers should be coated with Dryden Decking & Hardwood WoodOil prior to installation or fixing to provide a first coat envelope seal. All faces, backs, edges and cut ends must be coated.

Application

Check all products supplied prior to starting against specification documents and colour samples.
Dryden Decking & Hardwood WoodOil must be used as supplied, never add thinners or alter in any way.
Dryden Decking & Hardwood WoodOil cannot be coloured using Dryden ColourTone tints.
Dryden Decking & Hardwood WoodOil needs to be stirred regularly.
For projects that require more than one pail box all pails together.
Coat board's full length linearly and complete individual walls at one time, using good coating practices.
When completed the entire area should be uniform and free from coating defects.
Always apply coating at the correct coverage rate.

NEW HARDWOODS & DECKING TIMBERS

First Coat

First Coat Factory Applied

Dryden Decking & Hardwood WoodOil can be applied by Factory Pre-coaters; their systems allow Dryden Decking & Hardwood WoodOil to be coated within a controlled environment delivering an envelope seal to timber profiles, prior to delivery to site.

When timber has been factory coated ensure **all cut ends are coated during fixing.**

Quality Control & Documentation:

Dryden strongly recommend that a robust quality control and assurance process is adopted.
A good quality program with documentation will ensure that the optimal amount of Dryden Decking & Hardwood WoodOil is applied to the timber surface resulting in the even migration of oil without waste.
All test readings and documentations must be appropriately labelled and retained for a minimum of three years.

First Coat Site Applied

Prior to fixing, a first coat must be applied to all faces and cut ends.
Dressed timber **must** be sanded to remove mill glaze prior to application of first coat for better migration into the timber.
Softwood decking such as Radiata Pine may not require sanding unless mill glaze is severe.
Timber should be free from raised or woolly grain, planing burrs or other machining defects.
On site coated timber must be racked or laid out on back face, off ground in a clean well vented location for 24 hours at 12°C-25°C, humidity <75%, to allow Dryden Decking & Hardwood WoodOil to migrate in, free from sub-trade contamination.
Any gloss or wet look must be gone prior to fillet stacking face to face.
Stacked timber must be protected and covered from rain, environmental grime, concrete or cement dust, metal filings and site contaminants. All coated timber must be stored off the ground when not fixed.
When timber has been coated on site ensure **all cut ends are coated during fixing.**

Note: If for any reason the next day Dryden Decking & Hardwood WoodOil has not fully migrated into the timber and has a wet/gloss look, gently draw off excess oil by brushing linearly along the length of the board with an unloaded speedbrush. Ensure an even look and finish.

Note: Dryden Decking & Hardwood WoodOil will wet and darken the timber surface when applied. This will subside once it has migrated away from surface into the timber. Dryden Decking & Hardwood WoodOil will highlight the timber's natural grains.

Cut Ends; Dryden Decking & Hardwood WoodOil

All exterior timber cut ends must be coated prior to fixing with the same product that was used to pre-coat the timber. When coating cut ends care must be taken not to create lap marks on aesthetic faces.

Note: Do not use Dryden WaxEndSeal to seal these areas.

Exposed Ends; Dryden WaxEndSeal

For Architectural builds with exposed ends, such as beams, posts, screens, use Dryden WaxEndSeal.

Dryden WaxEndSeal is a wax emulsion for sealing exposed ends of timber.

Dryden WaxEndSeal must be applied after appropriate coats of Dryden Decking & Hardwood WoodOil have been left to migrate for a minimum of 7 days.

Be sure to avoid Dryden WaxEndSeal **on any aesthetic faces**.

Refer Dryden WaxEndSeal data sheet for further information.

Interior Hardwood Timber

For most interior unexposed hardwood timbers, such as beams, sarking etc Dryden recommend **one initial coat** only. A second coat, **only** if required, can be applied, however a minimum 30-90 days migration period after 1st coat application must be adhered to. **Reducing application rates for both coats is also recommended to avoid saturating the timber surface.**

Interior Hardwood Maintenance:

Recoat Dryden Decking & Hardwood WoodOil only when and if required.

Wipeable Areas:

Dryden Decking & Hardwood WoodOil **cannot** be applied to timber flooring, shelving, interior flooring, bathrooms and kitchen cabinets or any area that needs wipe or cleanability.

Second Coat

Decking & Exterior Hardwoods

Second coat prior to winter but not within six months from the application of the first coat.

Both Dryden WoodOil or Dryden Decking & Hardwood WoodOil **must not be tinted** when coating decking. Timbers will weather naturally to a silver patina.

Note: If for any reason the next day Dryden Decking & Hardwood WoodOil has not fully migrated into the timber and has a wet/gloss look, gently draw off excess oil by brushing linearly along the length of the board with an unloaded speedbrush. Ensure an even look and finish.

Modified Decking Timber (Acetylated, Thermally)

Second Coat 3 months after fixing.

Dryden Decking & Hardwood WoodOil **cannot** be coloured using Dryden ColourTone tints.

When Dryden Decking & Hardwood is used on modified timber decking the timber will weather and silver.

Hardwood Joinery

Dryden Decking & Hardwood WoodOil **cannot** be coloured using Dryden ColourTone tints.

When Dryden Decking & Hardwood is used on Hardwood timber joinery the timber will weather and silver.

Hardwood timber frames and sashes can be factory pre-coated using Dryden Decking & Hardwood WoodOil. Dryden Decking & Hardwood WoodOil can be applied again after installation has been completed, but not within 30-90 days of first coat.

Dryden recommend allowing a minimum migration period of 7 days before affixing glass. A prep clean & primer sealer is recommended to be applied directly to Dryden LVOC WoodOil coated timber before using putty or similar.

If using putty or similar, apply the recommended primer to coated timber, according to manufacturer's specifications prior to glazing.

Refer to glazing manufacturer data sheets for technical requirements and warranty information.

Coloured Hardwood Joinery

When colour is required for joinery Dryden WoodOil 'Clear' with a Dryden ColourTone added must be used as Dryden Decking & Hardwood WoodOil must not be tinted. Refer Dryden WoodOil 'Clear' Data Sheet.

Compatibility with Other Products

Chemically Treated Timber:

H1-H6 Hazard treatment coded timbers are Dryden Decking & Hardwood WoodOil compatible as long as they do not offer water repellence. Please refer to the timber manufacturer's Data Sheet.

Rubber & Butyl Surfaces:

Dryden Decking & Hardwood WoodOil can affect rubber adhesives and butyl surfaces if not washed/wiped off soon after contact. It is accepted that most of the industry now use non-rubber base glues. Enquiries should be made to the manufacturer. If coating around butyl surfaces, be sure to keep all surrounding surfaces protected and clean during and after application of Dryden Decking & Hardwood WoodOil.

Preventing Cross Diffusion:

When absorbent materials need to be attached to timber coated with Dryden Decking & Hardwood WoodOil, 'stripe' the mating surfaces or edges with recommended coats of a compatible primer as recommended by the manufacturer to prevent cross diffusion into the porous substrate.

Dryden recommend regardless of manufacturer's system being used, that all data sheets are read and followed, for their technical requirements and warranties.

Sealants & Adhesives:

Dryden recommend allowing a minimum migration period of 7 days before applying any adhesives or sealants. This ensures that Dryden Decking & Hardwood WoodOil has migrated well into the timber. Ensure the timber is clean and free of dust or dirt and use an appropriate primer as recommended by the manufacturer.

Refer to sealant & adhesives manufacturer data sheets for technical requirements and warranty information.

Glazing:

Dryden recommend allowing a minimum migration period of 7 days before affixing glass with wooden glazing beads, using putty or similar. This ensures that Dryden Decking & Hardwood WoodOil has migrated well into the timber. Ensure the timber is clean and free of dust or dirt and use an appropriate primer as recommended by the manufacturer.

Refer to glazing manufacturer data sheets for technical requirements and warranty information.

Hardware:

Do not coat hinges or hardware that cannot be removed. Carefully remove hardware, fixtures and fittings before commencing work. Should product accidentally come in contact with hardware clean off immediately.

Timber Compatibility:

Dryden Decking & Hardwood WoodOil is not compatible with Bamboo or other grasses (Monocotyledons)

Harvesting Rainwater:

Rainwater that comes into contact with timber coated with Dryden Decking & Hardwood WoodOil is not suitable for drinking.

EXTERIOR MAINTENANCE

Note: For maintenance of previously coated timber with Dryden Decking & Hardwood WoodOil, Dryden strongly recommends changing to Dryden WoodOil 'Clear' for maintenance recoating, as seasoned timbers are more receptive to accept the migration of Dryden WoodOil 'Clear'.

First maintenance is determined by quality of application of first coating, building design, orientation to sun, weather exposure, timber type and grain.

Dryden recommend an annual maintenance inspection and soft wash to keep the building in optimum condition. In some circumstances, due to localised environmental conditions soft washing may be require more regularly.

Dryden recommend annual soft water washing of the surface to remove surface contaminants such as dust and pollens. Wash with clean water, using a garden hose or soft brush (such as a car washing brush). A mild detergent solution, if need to remove stubborn contaminants.

Conduct a maintenance inspection of the coating at the same time of washing.

Note: If for any reason maintenance Soft Washes have not been kept up and mould spores have become apparent within the timbers silvered patina, Dryden recommend using a product which will selectively kill mould and lichen on the exterior timber surface over an extended period. Then over time the weathering process will allow the dead growths to naturally erode away without damaging the silver patina.

Do not use bleach-based products.

Note: When Dryden Decking & Hardwood WoodOil is re-coated over any silver timber, it will wet the silver and look patchy. This is normal, and the patchiness will revert to the original silver look over time as the oil migrates away from the surface.

Refer Dryden Decking & Hardwood WoodOil Cleaning & Maintenance Guide for full cleaning information.

Thicker Timbers 1 year

Thicker Timbers will require first maintenance coat **1 Year** on from the completion of the initial coating system.

The shorter relative first maintenance cycle is due to the greater volume of timber requiring a greater amount of oil for protection and durability.

For ongoing preservation once the hardwood timber has seasoned, one coat of **Dryden WoodOil 'Clear'** should be applied up to 3 years after the initial coating system.

Dressed Hardwood Timber 1 year

Dressed hardwood timber such as external exposed timber joinery faces, frames, sashes and doors require first maintenance coat at **1 Year** on from the completion of the initial coating system to allow for more protection and durability.

For ongoing preservation once the hardwood timber has seasoned, one coat of **Dryden WoodOil 'Clear'** should be applied up to 3 years after the initial coating system.

Modified Decking Timbers (Acetylated, Thermally) up to 1 year

Modified Timbers (Acetylated, Thermally) will require their first maintenance coat up to **1 Year** from the completion of the initial coating system.

Modified timbers are timbers that have had a chemical structure change and become very dry and typically will have a lower moisture level.

Lower moisture levels create more space within the timber for oil to migrate into and therefore the timber requires more oil than standard timbers.

Subsequent maintenance coats may extend out depending on areas coated, exposure, timber type and grain.

Decking Maintenance

Not within 12 months from completion of the initial coating system.

Maintenance is often best conducted prior to winter.

Maintenance may not necessarily be every year and will depend on the quality of application of first coating, building design, orientation to sun, weather exposure, timber type and grain.

For ongoing preservation once the hardwood timber has seasoned, one coat of **Dryden WoodOil 'Clear'** should be applied.

Note: For maintenance of previously coated timber with Dryden Decking & Hardwood WoodOil, Dryden strongly recommends changing to Dryden WoodOil 'Clear' for maintenance recoating, as seasoned timbers are more receptive to accept the migration of Dryden WoodOil 'Clear'.

Completion & Clean Up

Clean Up:

Detergent & hot water or Mineral Turpentine.

Clean up with Mineral Turpentine or hot water and detergent for spray equipment, brushes and clothes.

These also help with over-spray or accidental spillage on unwanted surfaces such as windows; use a wiping rag on smooth surfaces and a brush on rough surfaces.

Remove:

Remove drop sheets, coverings and masking to leave surrounding surfaces and areas clean, tidy and undamaged. Dispose of all materials safely. Do not pour unused Dryden Decking & Hardwood WoodOil down drain. Unwanted Dryden Decking & Hardwood WoodOil should be brushed out on newspaper or absorbed with sawdust, then disposed of via waste collection. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. For more information on responsible disposal of paint and packaging visit painttakeback.co.nz.

Protect:

Protect new work from damage. Take all relevant precautions to protect timbers from site work, dust, dirt, aggregate concrete wash, concrete cutting, metal grinding, water blasting, paint splatter, etc.

Environmental Hazards

Accidental Release Measures:

Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment. Absorb with sand or soil. Collect and seal in properly labelled drums.

Storage

Before storing box all like for like containers.

Do not store directly on concrete or cold surfaces, or in damp poorly ventilated environments.

Best stored off ground in a well-ventilated area at a consistent moderate temperature.

Plastic containers containing Dryden Decking & Hardwood WoodOil can flex particularly if stored in conditions that vary constantly in temperature.

Do not use or store near heat or open flame.

Products once opened and stored correctly have a limited storage life approximately 24 months.

Personal Protection Equipment (PPE) Precautions

Always wear appropriate PPE such as protective gloves, eye protection and face protection.

When spraying or in case of inadequate ventilation wear respiratory protection.

Wash skin thoroughly after handling with hot soapy water.

Refer Dryden Decking & Hardwood WoodOil SDS for detailed information.

First Aid

If poisoning occurs, contact a Doctor or Poisons Information Centre (New Zealand 0800 764 766; Phone Australia 131 126). If medical advice is needed, have product container or label at hand.

SWALLOWED: If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical assistance.

EYE: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SKIN: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs seek medical advice.

INHALED: Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical advice.

For special medical advice and emergencies call NZ 0800 734 607, AUST 1800 033 111

Information

The responsibility for products sold is subject to our standard terms and conditions.

For further information on Dryden Decking & Hardwood WoodOil refer to the Dryden Decking & Hardwood WoodOil Cleaning Guide and Dryden Decking & Hardwood WoodOil SDS.

For additional information contact:

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