Wood-X wood oil coatings will improve the dimensional stability of naturally durable timber, such as Hardwood and Cedar, e.g. adhesives, canvas etc. Allow the timber surfaces to thoroughly dry and prepare for the first coat. This will ensure the coating migrates into the timber and pigment binds to the surface. Take care to check compatibility with Wood-X of adjacent surfaces prior to coating and ensure run off if any, does not mark or contaminate surrounding area/materials.

12. Avoid contact with plants and animals.

13. Avoid applying Wood-X to timber outdoor furniture and other timber surfaces that may come into contact with skin, clothing, absorbent upholstery and/or other surfaces that could be adversely affected or stained by Wood-X. Remember Wood-X will penetrate the timber surface to thorny depth and penetrate below the surface before use.

14. Proceed only when the new coat will penetrate and bind to a test area of the primary coat, set aside and check to avert any incidental erosion or damage. Please ensure the most current Technical Data Sheet available at www.wood-x.co.nz contains the most up-to-date technical specification of Wood-X products. If you propose to coat it is not referred to in this Data Sheet, please contact Wood-X before committing to any application. 

15. General Application

- Some timber types may need a sanding prior to application of Wood-X. The type of sanding you propose to coat is not referred to in this Data Sheet, please contact Wood-X before committing to any application.
- Avoid contact with rubbers, adhesives and butyl rubbers. Remove by wiping immediately with an absorbent, clean and fine dry cloth if contact occurs.
- Use a dry, gloved rubber glove to aid in completing the clean-up process.

Wood-X wood oil coatings will improve the dimensional stability of naturally durable timber, such as Hardwood and Cedar, e.g. adhesives, canvas etc. Allow the timber surfaces to thoroughly dry and prepare for the first coat. This will ensure the coating migrates into the timber and pigment binds to the surface. Take care to check compatibility with Wood-X of adjacent surfaces prior to coating and ensure run off if any, does not mark or contaminate surrounding area/materials.

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13. Avoid applying Wood-X to timber outdoor furniture and other timber surfaces that may come into contact with skin, clothing, absorbent upholstery and/or other surfaces that could be adversely affected or stained by Wood-X. Remember Wood-X will penetrate the timber surface to thorny depth and penetrate below the surface before use.
Limitations

- Wood-X may be mixed thoroughly, before and during use.
- Wood-X oil must be used as supplied. Do not thin.
- Do not roll existing wood. Use Wood-X fresh, with Moeller Glide (similar) to manufacturer instructions prior to Wood-X oil application.
- Do not penetrate through existing film or film type coating.

All information provided in this document, our web site and related documentation are for general purposes only, to aid the professional in determining the suitability and performance of any Wood-X products. The user is advised to read and understand all safety instructions and environmental guidelines. All products are supplied in accordance with the precautionary measures and instructions in this book and comply with other safety guidelines. All data is based on experimental results. The user should refer to a competent authority before its use.
**PRECAUTIONS**

1. Avoid contact with rubber, adhesive and butyl rubbers – remove by wiping immediately.
2. Wood-X oils will not penetrate through existing coatings.
3. Wear protective gloves and footwear when applying. If eye contact occurs, wash immediately and thoroughly with soap and water. Do not rinse the skin.
4. Wear protective full body overalls and long sleeve PVC gloves during handling and application.
5. Protect eyes with contact lenses. Use safe glasses with side shields as a minimum precaution. If eye contact occurs, thoroughly wash with fresh cold water for at least fifteen minutes and seek medical advice if irritation of any kind occurred.
6. Keep away from heat and open flame. Keep containers closed when not in use.
7. Avoid inhaling vapour. Use with adequate ventilation.
8. Drinking water should not be collected from Wood-X coated surfaces e.g. Cedar Shingles or Slaters.
9. Avoid ‘ponding’ of water on high-density timber surfaces; as surface weathering of the Wood-X wood oil may occur.
10. In areas where rain may pass over freshly coated Wood-X surfaces before entering collection systems and/or water collection systems (drinking water for example), 12-18 months following the first re-coat, or as required. Re-coat periods will vary considerably (freshly coated).
11. In areas where rain may pass over freshly coated Wood-X surfaces, excess oil residue may initially run off into adjacent surfaces. This effect can cease as the coating migrates into the timber and pigment binds to the surface. Take care to check compatibility with Wood-X of adjacent surfaces prior to coating and ensure run off if any, does not mark or contaminate surrounding area and materials.
12. Do not apply by spraying or by painting and use Ipswich products by cleaning of equipment or disposal of wastes.
13. Avoid contact with plants and animals.

**WHAT ARE WOOD-X WOOD OILS?**

Wood-X wood oils are non film forming, viscous oils designed to penetrate into absorbent, chemical preservative free exterior timber products such as Hardwood, Cedar, seasoned pine, radiata pine and tannin based decks and timber beams and mouldings.

Wood-X penetrating wood oils provide anti-fungal and water repellent properties to reduce the speed of moisture uptake and loss in exposed exterior timbers, thereby limiting the potential for warping, checking, splitting and surfacechecking. Wood-X wood oil coatings will improve the dimensional stability of naturally durable exterior timbers and extend the life of the primary coat. Wood-X also provides a lower density, more absorbent timbers.

**EQUIPMENT**

- Wood-X products are delivered in 5 litre, 20 litre and 200 litre drums. They are light yellow liquid and can be applied to the timber surface with standard household equipment:
  - Paint brushes
  - Rollers
  - Wipes

**APPLYING WOOD-X WOOD OILS**

- Wood-X oils are applied to timber surfaces using standard household cleaning equipment (brushes, rollers, sponges). They are fully absorbed by the timber surface and penetrate below the surface before the surface area is dry.

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**Typical Exterior Uses**

- Timber beamwork
- Facia
- Mouldings
- Striated Posts and Beams
- Wall Shingles
- Roof Shingles *
- Sawn Shovel
- Hardwood & Cedar Decking
- Fences
- Garage Trim **
- *Steering wheel should not be collected from Wood-X coated surfaces. **Side rail to chemically penetrate the timber surface before rain.

**Physical Properties**

- **Application**
  - Types: Penetrating oil type
  - Colour: Natural, pigmented, tone range
  - Odour: Aromatic
  - Drying: village
  - Solvent: Organic solvents and water
  - Odour: Aromatic

- **Durability**
  - Theoretical coverage
  - 6-24 weeks
  - 6-24 weeks
  - 6-24 weeks

- **Performance**
  - Physical Properties
  - Non-Fungicidal
  - Non-Reactive
  - Non-Corrosive
  - Non-Penetrating
  - Non-Contaminating

- **Typical Coverages**
  - Wood-X Maintenance
  - Wood-X Cedar Oil
  - Wood-X Deck Oil
  - Wood-X Cedar Oils
  - Wood-X Deck Oils

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- **Typical Coverages**
  - Wood-X Maintenance
  - Wood-X Cedar Oil
  - Wood-X Deck Oil
  - Wood-X Cedar Oil
  - Wood-X Deck Oil

**Precautions**

- Please ensure the most current Technical Data Sheet available at www.wood-x.co.nz is carefully read and understood prior to application of Wood-X products. The information provided (or any associated product literature) with our products is in good faith, to the best of our ability and under the best of circumstances. All information provided in this document, our web site and related documentation are provided for good faith reference only and without any representations, warranties, expression or implied. None of the information provided in this document constitutes or is intended to constitute advice of any kind and is subject to change without notice.

Copyright 2013, Wood-X Ltd
Apply by brush, roller or spray. Saturate the surface of absorbent timbers with Wood-X at approximately 2.5 square metres per litre, depending on porosity of the surface. A typical guide is 2.5 sq m/lt to 6 sq m/lt. This is to allow the pigment of Wood-X to penetrate the initial outer surface. Be careful to avoid over-application, exposure, appearance, loss of timber type, timber type surface (Machined exterior or machined with a slight tearout) for a re-coat to dry thoroughly. As a general rule, if the initial re-coat does not penetrate and bind to a test area of the primary coat, set aside this mixture and prepare a new lot of Wood-X. If the initial re-coat sets penetrate and bind to the primary coat, no further re-coating will be required.

NOTE: Typical guide is 2.5 sq m/lt to 6 sq m/lt of Wood-X wood finish. Saturate over the base or starter coat. Correct application and Timing of the first re-coat is critical to coating performance and appearance.

UCOATED ENHANCED TIMBER (GREATER THAN ONE WEEK)

Grinding and sanding of these wood finishes. Treat with Resene Mosaic and Moxer Killer (see Resene Data Sheet GD01) and carefully wash with clean, warm water, emulsion, squeeze wash or water blaster, where you are licensed Wood-X with appropriate equipment and training. One application of clean water in the absence of contaminates, ensuring damage is done to the timber surface. Allow it to dry thoroughly.

WOOD-X COATED TIMBER OVERDUE FOR A RE-SEASON

General
To remove dust, dirt, grease, moss and mould Melissa, cloths and other contaminants, thoroughly hose down the area with a 15 litre container of Resene Wood-X Exterior Wood Finish, use a Soft Brush or Soft Cloth. For heavier detergents, such as Red Cedar, (be sure to ensure that the surface is scrubbed softly, to not risk or cause damage to the timber surface.)

MOSS AND/or MOLD INFECTED SURFACES

Any areas of moss or the timber surfaces that treat them with Resene Mosaic and Moxer Killer (see Resene Data Sheet GD01), diluted at the rate of 200 grams to 1 litre of water. Leave for 12 hours overnight to allow for full breakdown. For heavy infestations, more applications may be needed.

WEATHERED TIMBER SURFACES

Thoroughly sand any remaining weathered timber to produce a clear, sound surface free of dust. Applying 15 litres of Resene Wood-X Exterior Wood Finish Cut or Rough to all surfaces, and carefully wash with clean, warm water, emulsion, squeeze wash or water blaster, any smooth the scouring action is insufficient, fasten to damage or mark the timber surface.

WARNING: Sand dusts from timber species are considered hazardous to human health. Treat all dusts particularly harmful by washing or effervescing, with ease, on clean dust mask.

RE-APPLICATION

Apply by brush, roller or spray. Saturate the surface of absorbent timbers with Wood-X penetrating wood oil. Apply more sparingly to denser timbers e.g. a heavy hardwood. During application stir or shake the contents of the container frequently to ensure adequate distribution of colour. Wood-X is at approximately 2.5 square metres per litre, depending on porosity of the surface. A typical guide is 2.5 sq m/lt to 6 sq m/lt. This is to allow the pigment of Wood-X to penetrate the initial outer surface. Be careful to avoid over-application, exposure, appearance, loss of timber type, timber type surface (Machined exterior or machined with a slight tearout) for a re-coat to dry thoroughly. As a general rule, if the initial re-coat does not penetrate and bind to a test area of the primary coat, set aside this mixture and prepare a new lot of Wood-X. If the initial re-coat sets penetrate and bind to the primary coat, no further re-coating will be required.

Wood-X will penetrate or diffuse into the timber surface most readily when the coating is warm, the timber surface and atmospheric conditions are warm and dry. Conversely, application and penetration will be slowed during cold, damp conditions. For best results, store the Wood-X in warm surroundings and use in warm, dry, applicable.

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NEW TIMBER

Wood-X is a dry and free-from any contaminants e.g. dust, dirt, loose fibre, pollen, insects etc. Wood-X will perform best when applied to clean surfaces. Replace any obvious dirt, grit or stone, if any, with a white spirit or mixture of water and white vinegar, gentle scrubbing and rinse with water. Then allow to dry before proceeding. Do not use any power washing equipment to clean the surface, particularly power washing wool (e.g. BOAT). 

CAUTION: Do not use strong chemicals to clean new timber. Avoid harsh detergents or solvents as the chemicals may damage the timber finish. 

SURFACE PREPARATION

COLOUR AND MIXING OF THE ‘COLOUR TONE’ RANGE

It is important to thoroughly shake or mix before, and throughout usage, to achieve a uniform colour. Free from any sediment or 'coffee stains' and in a range of colours from the current Wood-X colour spectrum. Colour is applied by asking colour toning wood oil in all of the containers of 'Clear Base' for the correct tint pots have been supplied with your order. Your chosen colour on a test board with an existing flat or textured timber surface. Wood-X will accept no responsibility for any incorrect information. 

WARNING! Clear Base’ option is not colour toned and no apparent colouring is visible. It is a water based product designed to be used as a primer or undercoat. 

WATER WEATHERED TIMBER

Wood-X is not suitable for use on water weathered timber. If the wood has been rained on, or is overhanging protective soffits, to coat the lower, weathered portions more heavily. This will ensure the first coat will penetrate and bind to the primary coat. 

Wood-X will perform best and appearance of the Colour toned range will be more true to colour and texture. 

UNCOATED EXPOSED TIMBER (GREATER THAN ONE WEEK)

Therefore, do not scrape with any power washers, deterrents or solvents. 

WOOD-X COATED TIMBER OVERDUE FOR A RE-COAT

COAT PERIODS

To remove any dirt, dust, grease, moss and mould residues, cobwebs and other surface debris from the timber surface. It is recommended that pressure washers or water blasters, unless you are a licensed Wood-X applicator with experience in using this equipment, are not used on a freshly painted timber surface. 

The natural base colour, grain orientation and porosity of any timber will affect the appearance of the Wood-X ‘Colour Toned’ coating and ‘Clear Base’. It will generally appear darker on both darker and/or more absorbent timbers and lighter on lighter and/or less absorbent timbers. However, some timber types and grades may show more or less re-coat, depending on your individual project (e.g. Western Red Cedar).

For speed and efficiency use a wide, quality bristle brush for rough surfaces. Use a soft mop, low pressure sprayer with a coarse spray tip. 

Spray the wood using the type of equipment you wish to use in the long term. This equipment will need to be regularly cleaned and maintained. 

Wood-X will penetrate or diffuse into the timber surface most readily when the coating is warm. The timber surface, timber atmosphere and environmental conditions are warm and dry. Conversely, application and penetration will be slowed down during cold conditions. For best results, store Wood-X in warm environments and use in warm conditions and apply in warm, dry space. 

For a typical guide, refer to the figures below. 

GREASE/DIRT

COAT PERIODS

In a separate container, mix the correct volume of Wood-X wood oil at the typical coverage rates for the various substrates listed below. 

For best results, store Wood-X in warm environments and use in warm conditions and apply in warm, dry space.

Wood-X maintenance

Wood-X penetrating wood oils should be re-maintained or re-coated after a minimum of 6 months. This is to allow the first coat of Wood-X to penetrate the initial, outer surface. Re-coat times will vary considerably with coating colour, personal preference for appearance, exposure to the weather elements, timber type, timber surface (machine, direct sanded or rough sawn), condition and pressure washer or water blaster, unless you are a licensed Wood-X applicator with experience in using this equipment, are not used on a freshly painted timber surface. Wood-X will accept no responsibility for any incorrect information. A new-wood coat will penetrate and bind to the primary coat. 

GENERAL APPLICATION

Wood-X will penetrate or diffuse into the timber surface most readily when the coating is warm. The timber surface, timber atmosphere and environmental conditions are warm and dry. Conversely, application and penetration will be slowed down during cold, climate conditions. For best results, store Wood-X in warm environments and use in warm conditions and apply in warm, dry space. 

For a typical guide, refer to the figures below. 

TYPICAL COVERAGE

Wood-X penetrating wood oils will be used on exposed surfaces, on condition, surface area, wood type and other factors. The following is an approximate guide.

WOOD-X MAINTENANCE

Wood-X penetrating wood oils will be re-maintained or re-coated after a minimum of 6 months. This is to allow the first coat of Wood-X to penetrate the initial, outer surface. Re-coat times will vary considerably with coating colour, personal preference for appearance, exposure to the weather elements, timber type, timber surface (machine, direct sanded or rough sawn), condition and pressure washer or water blaster, unless you are a licensed Wood-X applicator with experience in using this equipment, are not used on a freshly painted timber surface. Wood-X will accept no responsibility for any incorrect information. A new-wood coat will penetrate and bind to the primary coat. 

GENERAL APPLICATION

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For a typical guide, refer to the figures below. 

TYPICAL COVERAGE

Wood-X penetrating wood oils will be used on exposed surfaces, on condition, surface area, wood type and other factors. The following is an approximate guide.

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WOOD-X COATING TIMBERS FOR RE-USE OR RE-PAIR

To ensure a neat and consistent finish, use fresh or previously hand-dressed or hand-planed timber. timber. Carefully sand the edges and corners of the new timber to ensure the surface is smooth before applying the Wood-X oil. Avoid resurfacing rough or weathered areas.

Wood-X is a hardwearing wood finish, but it is not a protective paint. It is important to keep the timber clean and maintained to extend its life. Wash the timber with a mild detergent and water or a soft cloth. Be careful not to scratch or damage the finish.

Wood-X penetrates the timber to the core and binds with the elements, providing a natural and durable finish. It is suitable for a wide range of timber types, including hardwoods, softwoods, and some tropical species.

Wood-X is recommended for use on new or previously coated timbers. It is particularly useful for repairing damaged or missing areas. The coating options will darken the darker and/or more absorbent timbers and lighten the lighter and/or less absorbent ones.

Product Code:
- Wood-X Epoxy
- Wood-X Cold
- Wood-X D80
- Wood-X D81
- Wood-X D812
- Wood-X D82
- Wood-X D83
- Wood-X D84

TIMING OF THE FIRST RE-COAT

The first re-coat should be applied 6 months after the initial application. This is to allow the first coat of Wood-X to penetrate the initial, outer surface. The recommended re-coat period for Wood-X is 6 months. This will ensure that the Wood-X wood oil has had sufficient time to penetrate the timber surface and for the new Wood-X coating to bond with the timber. It is important to note that the re-coat period may vary depending on the coating colour, personal preference for the wood finish, and the wood’s porosity.

If the timber is absorbent, such as Western Red Cedar, it may be necessary to apply an initial re-coat to enhance its appearance. Apply the initial re-coat sparingly to dense timbers, such as heavy hardwoods, to prevent oversaturation. The recommended re-coat period for absorbent timbers is shorter than for less absorbent ones.

The re-coat period may need to be increased for exterior use or in humid conditions. It is recommended to check the suitability of the coating for the specific application and environment.

It is important to keep the surface clean and maintained to extend the life of the coating. Avoid resurfacing or repairing rough or weathered areas. Always use fresh or previously hand-dressed or hand-planed timber. Carefully sand the edges and corners of the new timber to ensure the surface is smooth before applying the Wood-X oil. Avoid resurfacing rough or weathered areas.

Wood-X is a hardwearing wood finish, but it is not a protective paint. It is important to keep the timber clean and maintained to extend its life. Wash the timber with a mild detergent and water or a soft cloth. Be careful not to scratch or damage the finish.
Wood-X penetrating wood oil. Apply more sparingly to dense timbers e.g. a heavy hardwood. During application stir or shake the contents of the container frequently to ensure an accurate distribution of colour over an area of 2.5–5 square metres per litre, depending on porosity of the surface.

A typical guide for exterior surfaces is to allow the first coat to penetrate and bind to the timber fibre for a period of 5–6 months. This is to allow the pigment of Wood-X to penetrate the initial outer surface. Be aware that for exterior use, exposure to the weather elements, timber type, timber surface (Moxie Rendering or Sawn), and the condition of the application base, can alter the rate of penetration. As a general rule, if the initial recoat does not penetrate and bind to a test area of the exterior surface, then coating will not be appropriate at that location. Ideally, the Wood-X penetration should hold to an extent and bind to the primary coating.

Note: Typical recoat rates are given as reference only and may vary. You must assess the moisture content of Dressed Sawn and/or Sawn (Machine Sanded) wood. Special wood oils for use of Dressed Sawn and/or Sawn (Machine Sanded) wood oils. Further investigation should be undertaken to check for absorption in these timbers. If doubt exists, use a different timber type or the product may not penetrate the surface.

It is important to thoroughly shake or stir, and before using, to achieve a uniform finish. For penetrating wood oil is applied in containers of 5 litres. The recommended application rate to achieve a dense timber finish is based on an average porosity of Timber within New Zealand. The rates listed are approximate and will vary due to the different weathering of the timber's porosity.

Application rates of Wood-X applied to exterior surfaces are subject to the types of timber, the rate of absorption or the timber finish, timber type, Wood-X colour and amount of Wood-X wood oil originally applied. The following is a typical guide. To achieve a dense timber finish, timber type, Wood-X colour and amount of Wood-X wood oil originally applied. The following is a typical guide.

Wood-X will penetrate or diffuse into the timber surface most readily when the coating is warm, the timber surface and atmospheric conditions are warm and dry. Conversely, application and penetration will be slowed down during cold, climate conditions.

For best results, store Wood-X container in warm surroundings and use in warm, dry, dry atmosphere.

A good spread of Wood-X over the surface of absorbent timbers with Wood-X will give the typical colour range for the various substrates listed below. Apply more sparingly to dense timbers e.g. a heavy hardwood. The surface is saturated with absorbent timbers with Wood-X. Correct application and Timing of the first re-coat is critical to effective colour performance. For best results, store Wood-X container in warm surroundings and use in warm, dry atmosphere.

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### Wood-X Cedar Oil Wood-X Deck Oil

#### CONTENTS

**What are Wood-X Wood oils?**

Wood-X wood oils are non film forming, viscous oils designed to penetrate into absorbent, chemical preservative free exterior timber

- Non Film Forming
- Viscous Oils
- Design to penetrate Exterior Timber
- Enhance with a more natural vibrant look

**What are Wood-X Wood-Oils?**

Wood-X wood oils are non film forming, viscous oils designed to penetrate into absorbent, chemical preservative free exterior timber such as timber from New Zealand, America, Europe, Australia and Africa. Wood-X oil can be used on exterior timbers such as fences, decks, floor boards, beams and mouldings.

Wood-X penetrating oils provide anti-fungal and waterproof repellent qualities to reduce the speed of moisture uptake and loss in exterior timber boards, thereby reducing the potential for warping, heave, cracking splitting and surface checking. Wood-X oil penetrating oils will improve the dimensional stability of naturally durable exterior timbers and extend the life of many exterior surfaces and timber. Wood-X provides an impervious barrier level by comparison to lower density, more absorbent timbers.

#### Physical Properties

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