



QUANTUM
TIMBER FINISHES



Product Guide
qtf.com.au

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Quantum Timber Finishes

The quantum product range has a focus on environmentally sustainable, environmentally responsible, Bio Based timber conditioners and finishes. Our extensive product range is available in the largest colour selection in wood care. This ensures we have the right product for your timber coating project!

A commitment to product quality and environmental sustainability is what sets Quantum Timber Finishes apart.

Connect with us.  qtf.com.au     [@quantumtimberfinishes_ANZ](https://www.instagram.com/quantumtimberfinishes_ANZ)

About Us

Quantum Timber Finishes is dedicated to supplying ecologically sustainable, bio based timber conditioners and finishes.

At Quantum we dedicate ourselves to ecologically sustainable products. Our products are formulated from vegetable derived resinated oils sourced entirely from renewable resources.

Our finishes have a low VOC content and reactive nature which has proved to be of benefit both to the environment and those who suffer from paint allergies.

From architects to professional tradesmen right through to the home handy man, our interior and exterior timber finishes and timber oil finishes are easy to apply and designed for the Australian conditions.



Preparation



SAP STRIP (4915)

A biodegradable, non toxic timber cleaner for removing tannins and extractives from ALL NEW TIMBER. Use on all timbers under 12 months old where full weathering hasn't occurred.

- Biodegradable (safe to use around plants)
- Removes tannins and extractives
- Removes mill glaze to allow penetration of the coating
- Do not have to wait for timber to weather before applying coatings



DEX PREP (4930)

A timber brightener that cleans and brightens weathered and grey timber and assists in opening the timber grain to allow penetration of the coating. Oxalic acid based. Exposed timber over 12 months old.

- Highly concentrated
- When used neatly will kill mould spores



Take a look at how easy it is to prepare your timber at **Quantum Timber Finishes ANZ**

Product	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
SAP - STRIP	300g or 900g (powder)	5L of water per 300g		1	Scrub	300g diluted horizontal 25m² vertical 50m²	
DEX PREP	1L, 4L, 10L	10-20%	Do NOT allow to dry while using		Scrub	6-8m²	Water
POWER CLEAN	4L, 10L	No thinning		1 or 2 Refer to D/Sheet	Scrub	10m²	
Q - STRIP	1L, 4L, 10L	No thinning			Roll or brush	2.5m²	



POWER CLEAN (4910)

Removes old and weathered oil based finishes, stains, treatments and sealers from timber. Apply undiluted POWER CLEAN to a wet surface using a garden spray, brush or roller (no thinning is required).

- Coating will lift as little as 10 minutes
- Apply on any exterior timber surface



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Q-STRIP (4925)

A biodegradable paint remover. Apply on old and previously coated timber surfaces.

- No strong caustic chemicals
- Removes coating without adversely affecting the underlying timber
- Will remove most conventional coatings



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Adequate preparation of exterior timber surfaces prior to coating will greatly enhance the longevity of the coating and ensure less maintenance is required in the future. For best results it is important to choose the right timber deck cleaner. This will prevent early adhesion failure and drying issues due to contamination from tannins and extractives naturally found in the timber.



Quantum has the largest colour range available in the wood care market with the added ability to colour match.

With the choice of 32 standard transparent stains and 40 standard opaque solid colours that do not conceal the grain of the wood, Quantum gives you the freedom to create the look you want for all your interior and exterior projects.

Transparent stain finishes offer the timber a depth and clarity that cannot be derived from any other finish. Transparent tints (stain) can be added to clear finishes to provide colour whilst still allowing the grain to show through.

Transparent finishes allow the underlying timber grain to be highlighted as part of the finished appearance. Transparent stain colours can be added into AQUASTAIN, MICROCLEAR, and TIMBRE PLUS products.

Quantum's opaque solid colours come in a wide range of colours that offer further UV protection to the timber without concealing the texture of the wood grain, resulting in a natural timber finish.



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Transparent Stain Colours

			
Dark Oak	Light Oak	Cocoa	Butternut
			
Parquet	Wheat	Yellow	White Wash
			
Liming White	Mahogany	Jarrah	Teak
			
Merbau	Rosewood	Red	Violet
			
Navajo	Cochranes Black	Black Japan	Walnut
			
Briar	Falcon	Black	Ebony
			
Lava	Greystone	Lindonwood	Driftwood
			
Bark	Treated Pine	Forest Green	Blue

Transparent stain give timber a depth of colour and clarity whilst still accentuating the timber grain.
 Transparent tints can be added into AQUASTAIN, all MICROCLEAR, all TIMBRE PLUS and all ECODEX products.
 The colours displayed use a clear base (AQUASTAIN). There will be a slight colour variation (especially with light colours) when using a natural base e.g. TIMBRE PLUS and ECODEX products.

Toll Free 1800 053 018

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Visit www.qtf.com.au to download a copy of the Stain Colour Charts.

Opaque solid colours can be added to MICROCLEAR and AQUAOIL.

When choosing a colour for your project it is important to consider the type of timber finish you require for your chosen project. The choice of timber stain or paint colour is crucial as the surface will need to withstand general wear and tear and environmental factors.

It is also important to consider the type of timber used for the project. Final colour appearance may vary with different timber species, texture, size and shape of the area.

Need more information about our colour range? Contact Quantum.

Free Call: 1300 132 202
Email: marketing@mirotone.com.au



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Opaque Solid Colours

Cherry	Persimmon	Redwood	Summer Straw	Mane
Light Cedar	Pumpkin	Porfesa Sand	Latte	Feta
Coffee	Yogi	Spice	Fog	White Gum
Weathered Cedar	Quartz	Swampgum	Ginkgo	Thyme
Old Gum	Gumleaf	Resida Green	Cape	Avocado
Sea House Grey	New Snowgum	Earl Grey	Dusk	Grey Mist
Ironstone	Plum	Pansy	Elephants Breath	Mist
Charcoal	Onyx	Ebony	Book Cover	Charred

Penetrating full cover Opaque lead colour to wood surfaces without concealing the wood texture. Colour appearance may vary with different wood, texture, size and shape of the area. MICROCLEAR, AQUAOIL, ENVIROLOC and E.L. DECKCOAT may all be tinted to Opaque Solid Colours.

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Visit www.qtf.com.au to download a copy of the Stain Colour Charts.

Interior Timber



AQUASTAIN (4300)

A transparent wiping stain for brush or cloth application. Tinted with transparent stain range. Suitable to stain all interior timber. Topcoat with MICROCLEAR & MICROFLOOR.

- Suitable to stain all interior timber
- Available in a wide range of Transparent tint colours
- Overcoat with MICROCLEAR or MICROFLOOR



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Bio Based Products

Formulated with vegetable derived resinated oils rather than a petrochemical base. These oils are biodegradable, non-toxic and derived from resources that produce significantly less greenhouse gases than petrochemical products.



MICROCLEAR (4350)

A single pack, clear, water based urethane coating for interior and sheltered exterior soft and hard wood timber. Applications include furniture, doors & windows, cupboards, storage units, skirting boards, architraves & sheltered eaves and feature walls.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour, low yellowing – added UV stabilisers
- Fast drying with only one hour recoat time, apply multiple coats in a day
- Smooth flow, self – levelling finish
- May be tinted with Quantum transparent or solid opaque stains to provide extra life due to added UV protection



SCAN ME

Low VOC

Quantum has a large range of Green Star compliant low VOC products. As members of the Green Building Council of Australia (GBCA), Quantum is proud to be part of helping to improve the environmental efficiencies in new buildings.



Product	Gloss Level	Green Building Council	VOC Content	Tinted to		Advantages
				Transparent Stain*	Solid Opaque Stain*	
AQUASTAIN	N/A	Yes	<45 g/L	✓	✗	Wide range of colours
MICROCLEAR	Matt, Satin, Gloss	Yes	<46 g/L	✓	✓	Fast dry - multiple coats per day

* Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built, Table IEQ-13.1 Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings.

* Refer to Transparent and Opaque colour boards for colour choice. Online and printed colour charts may vary in colour.





Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m ² per litre)	Clean Up
500ml, 1L, 4L, 10L	No Thinning	1-2 hours	1 coat <small>(if darker shade is required apply 2nd coat)</small>	Cloth or Brush	12m ²	Water
500ml, 1L, 4L, 10L	Up to 5% with water	Touch dry 30 min Recoat 1 hour	Interior 1-3 Exterior 3	Brush, Spray or roll	10-16m ²	

Environmental Sustainability

Quantum products are environmentally responsible as they are made from renewable materials, unlike petrochemicals that will deplete over time. Quantum is dedicated to ecologically sustainable products.

Exterior Timber

MICROCLEAR (4540)

A single pack, clear, water based urethane coating for interior and sheltered exterior soft and hard wood timber.

Applications include furniture, doors & windows, cupboards, storage units, skirting boards, architraves & sheltered eaves and feature walls.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Fast drying with only one hour recoat time, apply multiple coats in a day
- Smooth flow, self – levelling finish
- Low yellowing – added UV stabilisers
- May be tinted with Quantum transparent or solid opaque stains to provide extra life due to added UV protection



TIMBRE PLUS VERTICAL (4520)

A unique, water reducible, oil based coating that has outstanding UV resistance and surface toughness. May be tinted to one of Quantum's Transparent Stain Colours.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- UV resistant, contains UV absorbers
- May be tinted to Quantum transparent stain colours
- Touch up weathered areas as they occur, no need for a full recoat



Take a look at the many advantages of TIMBRE PLUS VERTICAL at Quantum Timber Finishes ANZ

Water Wash Up

Quantum products are made from bio based resins emulsified in water. As water acts as the carrier "solvent", it means that these oil based products can also be cleaned up in water - no need for solvents!



GOLD (4570)

A premium, exterior, transparent, penetrating timber finish, to enhance the natural grain and hues of timber without concealing them. Final undertones tend towards a reddish gold.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Water repellent, helps to prevent the swelling and shrinking of the timber that causes cracking and splintering
- UV resistant, contains UV absorbers
- Mildew and fungal resistant
- Touch up weathered areas as they occur, no need for a full recoat



Proven Results

Over 25 years' experience in Australian conditions and a proven track record in quality, using Quantum Timber Finishes gives our customers peace of mind when using our products.

Bentleigh Secondary College



QUANTEC (4590)

This sustainable timber preservative can be applied as a clear oil that fades to a natural silver finish or applied with one of 12 contemporary colours (additional colours available) to enhance and maintain the natural beauty of the timber.

- Water wash up
- Non-flammable, no requirements for precautions with oily rags and equipment
- Low odour (mild eucalyptus smell)
- Penetrating oil that bind wood fibres together to protect against moisture
- Prevent swelling and shrinking of the timber that causes cupping, splitting and warping
- Will not affect plants, shrubs and trees
- Won't crack, peel or flake
- Environmentally responsible, bio-based, ecologically sustainable product
- Easy to apply, cost effective to maintain
- No sanding between coats, highlights timber's natural grain and beauty
- Repels water (beads)



SCAN ME



Take a look at how cost effective and easy it is to apply QUANTEC at **Quantum Timber Finishes ANZ**

Penetrating Oils

Unlike surface coatings, most of Quantum's products work by penetrating the timber to bind the wood fibres together creating a protective barrier against moisture, preventing peeling, cracking, warping or splintering.



AQUAOIL (4500)

An exterior, penetrating, solid opaque stain that changes the colour of the surface without concealing the surface texture. The penetrating oil binds the wood fibres together to protect the timber from moisture. Quantum AQUAOIL is an oxidising coating that will not peel or crack, making recoating a much easier task.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Water repellent, helps to prevent the swelling and shrinking of the timber that causes cracking and splintering
- UV resistant
- Mildew resistant
- Easily touch up weathered areas without having to do a full recoat

SCAN ME





AQUAOIL OMEGA (4510)

An exterior, penetrating, high density solid opaque stain that changes the colour of the surface without concealing the texture of the wood grain. The penetrating oil binds the wood fibres together to protect the timber from moisture in alpine and extreme weather conditions. AQUAOIL OMEGA is an oxidising coating that will not crack or peel, making touch ups and recoating a much easier task. Available in Quantum's range of Solid Opaque Stain Colours.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, Mildew resistant
- Water repellent, helps to prevent the swelling and shrinking of the timber that causes cracking and splintering
- UV resistant
- Easily touch up weathered areas without having to do a full recoat



Colour Range

Quantum has the largest colour range in the wood care market. With the choice of transparent stains and opaque solid colours that don't conceal the grain of the wood, Quantum gives you the freedom to create the look you want.



Hale Junior School



Product	Gloss Level	Green Building Council	VOC Content	Tinted to		Advantages
				Transparent Stain*	Solid Opaque Stain*	
TIMBRE PLUS VERTICAL	Low Sheen	Yes	< 33g/L	✓	✗	UV resistant & toughness
MICROCLEAR	Matt, Satin, Gloss	Yes	<46 g/L	✓	✓	Fast dry - multiple coats per day
GOLD	Low Sheen	No	<144 g/L	✗	✗	Enhances the natural grain/hues
QUANTEC	Matt	No	<189 g/L	✗	✗	Preserves & protects
AQUAOIL	Low Sheen	Yes	<19 g/L	✗	✓	Binds wood fibres together
AQUAOIL OMEGA		No	<110 g/L	✗	✓	Protects coating against snow & salt

* Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built, Table IEQ-13.1 Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings.

* Refer to Transparent and Opaque colour boards for colour choice. Online and printed colour charts may vary in colour.



Pack Size	Thinning	Dry Time @25°C	No. Coats	Application	Coverage (m ² per litre)	Clean Up
1L, 4L, 10L, 20L	No Thinning	2-4 hours Recoat 4 hours	3	Brush, Spray or Roll	9m ²	
1L, 4L, 10L	Up to 5% with water	Touch dry 30 min Recoat 1 hour	Interior 1-3 Exterior 3		10-16m ²	
4L, 10L, 20L		12-24 hours Recoat 24 hours	3		Old Timber up to 2m ² New Timber up to 7m ²	
4L, 10L, 20L	No Thinning	24-48 hours		Brush, Spray or roll	4-6m ² First coat may use more	Water
500ml, 1L, 4L, 10L, 20L		6-8 hours Recoat 12 hours	2		Old Timber up to 2m ² New Timber up to 7m ²	
500ml, 1L, 4L, 10L, 20L		12-24 hours Recoat 24 hours				

Decking

TIMBRE PLUS DECKING (4730)

A premium, water reducible, solvent free, oil based coating. Hard wearing with outstanding adhesion and toughness as well as slip and UV resistance. Can be tinted to Quantum's transparent stain colours.

- Achieve a P4 Classification rating when mixed with SLIP RESIST 50
- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Hard wearing with outstanding adhesion and toughness
- Slip and UV resistance



SCAN ME



ECODEX (4710)

A fast drying, durable, oil based finish designed to protect your timber deck from the harsh Australian environment. Can be tinted to one of Quantum's Transparent Stain Colours.

- Environmentally responsible – made from bio based, ecologically sustainable products
- Non-toxic, low odour
- Fast drying
- Water repellent



SCAN ME



Product	Gloss Level	Green Building Council	VOC Content	Tinted to		Advantages
				Transparent Stain*	Solid Opaque Stain*	
TIMBRE PLUS DECKING	Satin	Yes	<38 g/L	✓	✗	Tough, slip & UV resistance
ECODEX	Satin	Yes	<19 g/L	✓	✗	Economical decking oil

* Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built, Table IEQ-13.1 Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings.

* Refer to Transparent and Opaque colour boards for colour choice. Online and printed colour charts may vary in colour.



Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m ² per litre)	Clean Up
1L, 4L, 10L,20L	No thinning	3-4 hours Recoat 6 hour	Minimum 3	Brush, Roll, Spray or Dip	9m ²	Water
1L, 4L, 10L		3-4 hours Recoat 6 hour	Minimum 3	Brush, Spray or Roll	9m ²	







Flooring

MICROFLOOR (4370)

A water based, single pack, tannin resistant, clear urethane floor finish.

- Fast drying, apply multiple coats in one day.
- Tannin blocking.
- Very smooth flow and self-levelling finish. Non-toxic and low odour.
- Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built v3, Table IEQ-13.1: Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings (Maximum limit for “One and two pack performance coatings for floors “EU Directive” – 140 g/L).



SCAN ME



MICROFLOOR SLIP RESIST 50 (4380)

MICROFLOOR with SLIP RESIST 50 Additive provides a minimum D1 dry slip and P5 wet slip rating when measured in accordance with AS4586:2013- Slip Resistance classification of New Pedestrian surface materials.

- Non-toxic and low odour
- Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built v3, Table IEQ-13.1: Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings (Maximum limit for “One and two pack performance coatings for floors “EU Directive” – 140 g/L).



SCAN ME



Product	Gloss Level	Green Building Council	VOC Content	Tinted to		Advantages
				Transparent Stain*	Solid Opaque Stain*	
MICROFLOOR	Satin, Gloss	Yes	<96 g/L	✗	✗	Tannin blocking, low odour, fast dry
MICROFLOOR SLIP RESIST 50		Yes	<96 g/L	✗	✗	D1 Dry Slip & P5 Wet Slip Rating

* Complies with the Green Building Council Australia: Green Star – Office Design v3 & Office As Built, Table IEQ-13.1 Maximum TVOC Content Limits for Paints, Varnishes and Protective Coatings.

* Refer to Transparent and Opaque colour boards for colour choice. Online and printed colour charts may vary in colour.



Designed for Australian Conditions

Australia's climate varies greatly throughout the different states and territories. Knowing all too well how climate variations affect timber substrates differently, Quantum products have been designed and tested to protect timber in these conditions.

Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m ² per litre)	Clean Up
4L, 10L	-	30 minutes Recoat 2 hours	3	Brush or Roll	10-12m ²	Water
4L, 10L	-	-			10-12m ²	

Additives

Slip Resist 50 (4935)

Slip Resistance Additive, can be added to MICROFLOOR & TIMBRE PLUS DECKING

Provides a minimum D1 Dry Slip and P5 Wet Slip Rating when measured in accordance with AS4586:2013 - Slip Resistance classification of New Pedestrian surface material.

For best results stir SLIP RESIST 50 additive into MICROFLOOR and TIMBRE PLUS DECKING using a drill stirrer or stir vigorously with a flat stirrer to disperse thoroughly.

Typical Applications:

Timber stair treads, timber ramps & timber flooring where slip resistance is required.



Product	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m ² per litre)	Clean Up
SLIP RESIST 50	600gm, 150gm	Nil	Nil	Nil	Nil	Nil	Water



Australian Made & Owned

Originating in Victoria, Quantum is now part of the Australian manufacturing group Mirotone. Mirotone take pride in supplying high quality, Australian made timber finishes.



AQUATEC DIP (4850)

An easy to apply, non-toxic, non-flammable, oil based dip finish. It exhibits a high degree of water and scuff resistance as it binds the wood fibres together to protect against moisture attack. Excellent mould, algae and fungal protection.

- Easy to use, coats all surfaces evenly. No sanding required
- Anti-fungal properties
- Penetrates and conditions the timber, whilst retaining the natural surface texture and grain of the timber
- Helps prevent shrinking and swelling of timber, which can cause cupping and warping
- Non-toxic, low odour and water clean-up
- Time saving, increase efficiency in production
- Topcoat with other Quantum products, if required
- Environmentally responsible – made from bio based, ecologically sustainable products

Typical Applications:

Interior or exterior application such as spa cabinets, furniture, children's cubby houses, timber chips, timber screens/blinds, windows and doors, timber sleepers, pergolas and pre-finished decking.

QUANTUM DIP (4810)

An easy to apply, non-toxic, non-flammable, oil based dip finish. It exhibits a high degree of water and scuff resistance as it binds the wood fibres together to protect against moisture attack.

- Easy to use, coats all surfaces evenly.
- Penetrates and conditions the timber, whilst retaining the natural surface texture and grain of the timber.
- Helps prevent shrinking and swelling of timber, which can cause cupping and warping.
- Non-toxic, low odour and water clean-up.
- No sanding required.
- Time saving, increase efficiency in production.
- Topcoat with other Quantum products, if required.
- Environmentally responsible – made from bio based, ecologically sustainable products.

Typical Applications:

Interior or exterior applications such as furniture, children's cubby houses, timber chips, timber screens/blinds, windows and doors, timber sleepers, pergolas and pre-finished decking.



The colours shown in this product guide are to be used as a guide only. Actual colours will vary due to computer monitor displays and how individuals see colour. The final appearance of stain colours are affected by many factors including timber colour species and number of coats of the stain. (Higher number of coats results in darker colour). It is up to the user to test and confirm the colour on a sample board before application. The product guide should be used as an indicative guide of colour only. Stain colours are based on information in Mirotone's possession at the "date of issue". Amendments to the product guide can be made at any time. Users should check that the stains are still current before applying coatings as per the information contained within.

Colours shown in this guide are as close as possible to actual paint colours. Please note: Due to limitations of the printing process, photographic and printed images may not represent the true colour.

This product guide has been compiled by Mirotone Pty Ltd on the basis of current general information. It is your responsibility to assess and verify the accuracy, completeness and reliability of the information in this guide, and to seek professional advice where necessary. Mirotone Pty Ltd makes no representations or warranties of any kind with respect to this product guide or its contents. Mirotone Pty Ltd, its related companies, directors, employees, shareholders, agents and other representatives will not, under any circumstances, be liable for any injury, loss or damage arising out of or related to the use of the information in this product guide.

