



QUANTUM
TIMBER FINISHES



Project Specification Guide

Quantum Timber Finishes provide sustainable solutions for protecting and beautifying timber assets. A commitment to product quality and environmental sustainability is what sets Quantum Timber Finishes apart.

Why Choose Quantum?

Welcome to the beginning of your journey with Quantum Timber Finishes.

The Quantum product range has a focus on environmentally sustainable, environmentally friendly, Bio Based timber conditioners and finishes. Quantum Timber Finishes (QTF) is 100% Australian owned and made. With over 25 years' experience in product innovation, development and a clear understanding of the Australian climate - our products are designed specifically to protect and enhance timber substrates from Australia's harsh weather conditions.

Quantum enrich the beauty and comfort of domestic and commercial spaces, as well as enhancing street appeal in private and public locations. Our range helps professionals optimise their aesthetic and design choices, making the job easier from conception to completion. With a proven track record in quality, Quantum delivers buildings, dwellings and spaces that are functional, beautiful and sustainable.

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

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.

Bio Based Products

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

Water Wash Up

Quantum products are made from oil 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!

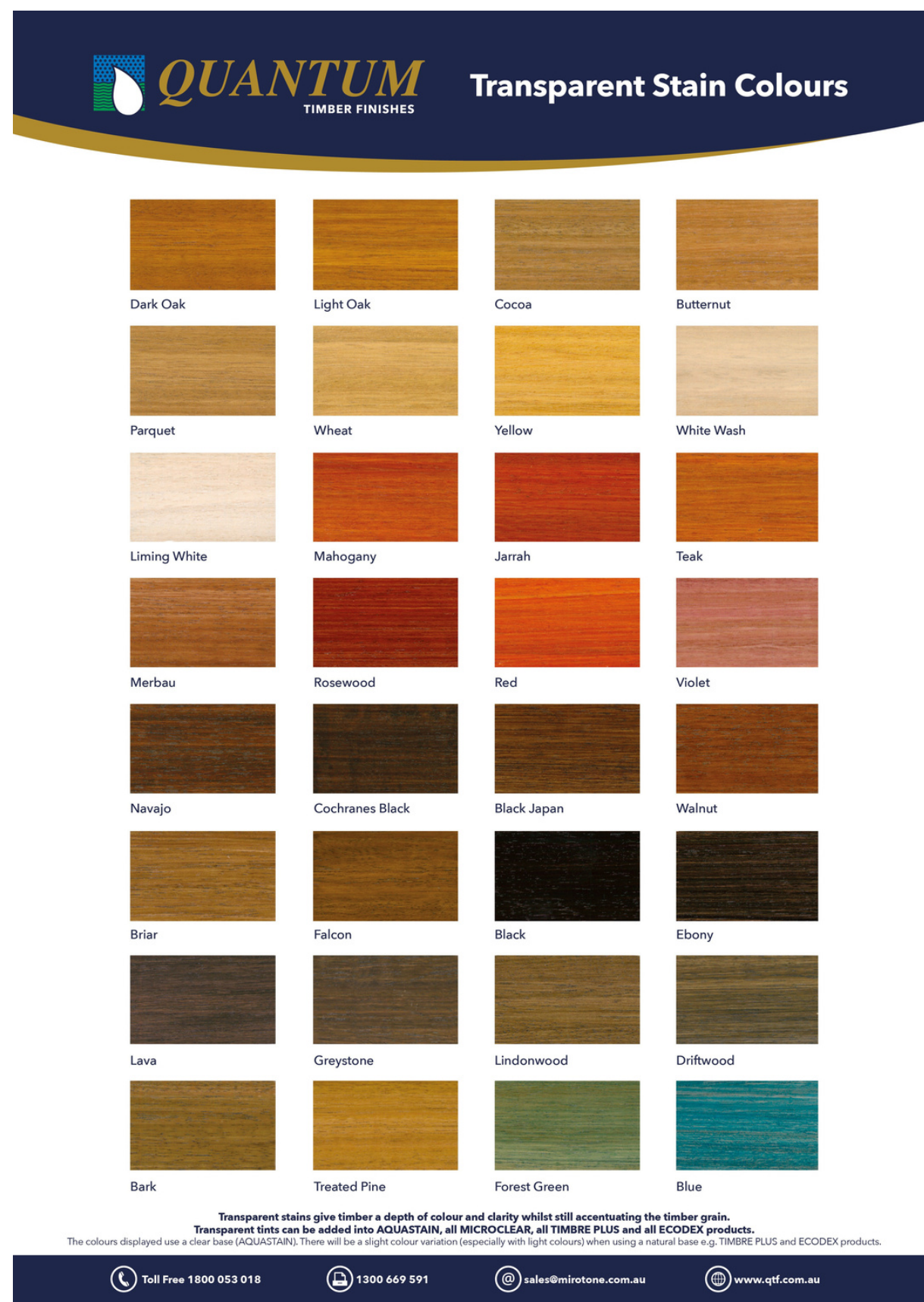
Low VOC

Green Star compliant low VOC products. As members of the Green Building Council of Australia (GBCA) and the only approved timber finishes company aligned with Greener Spaces Better Places, Quantum is proud to be part of helping to improve the environmental efficiencies in new buildings.



Colour Range - Largest colour range in the market

Quantum has the largest colour range in the wood care market. With the choice of 32 transparent stains and 40 opaque solid colours that don't conceal the grain of the wood, Quantum gives you the freedom to create the look you want. Specialised colour matching services available. Sample available on request.



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



Customer Support

Customer and technical representatives are available throughout Australia and New Zealand (ANZ). Our experienced consultants provide you with in depth product knowledge, application information and technical expertise via - email, phone, face-to-face (on-site) or video conferencing. Quantum Timber Finishes have offices located in NSW, VIC, QLD and New Zealand major capitals.

Access Information with Ease

Our website allows you to easily navigate throughout our web pages to find the information you are searching for. To meet the needs of architects, designers, builders, consumers and applicators, we provide easy to follow datasheets, safety datasheets, VOC certificates, dry & slip certificates (if applicable), technical bulletins, brochures, FAQ's, colour charts and sample services.

Still can't find what you are looking for? Easily contact our customer service department via our online form, email sales@mirotone.com.au or freecall 1300 132 202. Our customer service are happy to assist your needs.

Trusted Partner

In today's challenging and overpopulated finishing market, it is more important than ever to select strategic partners that provide quality, stability, support and confidence. Quantum is customer focused and dedicated to providing solutions to ensure quality products and services alike. Unlike large corporations, Quantum is small enough to provide tailored solutions and large enough to meet large scale demand.

Quality Assurance & Innovation

A cornerstone of Quantum's success is our continuing commitment to ongoing research and development (R&D). All products developed by Quantum Timber Finishes undergo stringent testing to Australian and international standards. We are continually striving to innovate and improve our product offerings.



TESTIMONIALS

Jill - Mondian Homes

Not only the product but the service has impressed us, along with the diversity of the right product for the job. We have been using Quantum for many years and we know the advice is sound and the longevity of the product is not exaggerated.

Peter - McIntyre Architects

Specifying Quantum's AQUAOIL on projects since 1994. These projects range from Alpine to Bayside including my own residence. We, as a high profile architectural company have been very satisfied with the quality and the life we can expect from Quantum's AQUAOIL.

Rodney - Rodney Mcniece Painting

Being able to access product and technical information when needed is one of Quantum's great services. Prompt, friendly service and fabulous products mean I will be using Quantum (as I have for several years now) for many more years to come.

Our Products

The product range includes: Preparation, Interior Timber, Flooring, Exterior, Decking and DIP.



AQUASTAIN



MICROCLEAR



MICROFLOOR



MICROCLEAR



TIMBRE PLUS VERTICAL



GOLD



QUANTEC



AQUAOIL



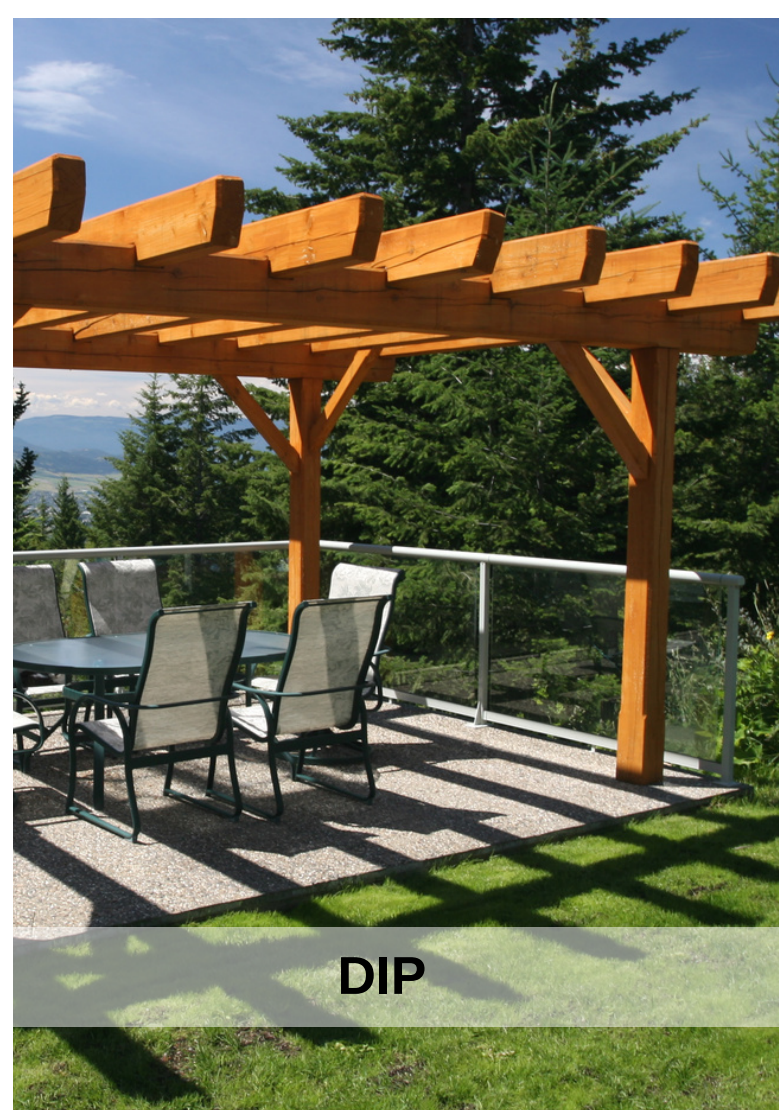
AQUAOIL OMEGA



TIMBRE PLUS DECKING



ECODEX



DIP

Our Products

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PREPARATION

Quantum's complete range of cleaning and preparation products are easy to use and designed to remove the toughest sap, chemicals, old and weathered finishes and sealers to ensure your timber surfaces are ready for application.

SAP STRIP: A biodegradable, non toxic timber cleaner for removing tannins and extractives from all new timber.

DEX PREP: A timber brightener that cleans and brightens weathered and grey timber and assists in opening the timber grain to allow penetration of the coating.

POWER CLEAN: Ideal for removing oil treatments, sealers and weathered oil based finishes from external timber surfaces.

Q-STRIP: A biodegradable paint remover designed to remove old and/or weathered coatings from sound exterior timber surfaces.



INTERIOR

Quantum Interior Finishes compliment all interior timber, are low odour, low allergenic and fast drying. Use as a clear finish, tint in store or add colour by using AQUASTAIN or a transparent tinter.

AQUASTAIN: A transparent interior wiping stain for brush or cloth application. Topcoat with MICROCLEAR or MICROFLOOR. Use on interior timber that has not been previously painted with a solid paint.

MICROCLEAR: 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.



FLOORING

Affordable, commercial grade finish for most prepared interior timber flooring. MICROFLOOR is a water based, non-toxic, low VOC, Green Star compliant coating for your interior timber floors.

MICROFLOOR: A water based, single pack, tannin resistant, clear urethane floor finish. Suitable for interior floors and trims. 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.



Our Products

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EXTERIOR

Quantum has a complete range of exterior timber finishes, exterior timber stains and exterior timber paint products that are easy to apply, low odour, low VOC and available in a wide range of colours to suit any exterior environment, project and surface. Colour options include Natural (clear), Transparent Stains or Opaque Solid Colours (timber paint).

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

TIMBRE PLUS VERTICAL: 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. Suitable for doors and windows, weatherboards, cladding, garage doors, feature walls and outdoor furniture.

GOLD: 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. A UV stabilised coating. Ideal for softwood (such as cedar, cypress, Oregon and treated pine) especially broad surface areas, such as garage doors, cladding and feature walls. Water repellent, fungal resistant.

QUANTEC: Timber preservative specifically designed for the Australian environment and conditions. This sustainable wood preservative can be applied as a clear oil that fades to a natural silver finish or applied with one of 12 contemporary colours to enhance and maintain the natural beauty of the timber. QUANTEC is a penetrating oil that bind wood fibres together to protect against moisture. It helps to prevent swelling and shrinking of the timber that causes cupping, splitting and warping.

AQUAOIL: 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. Suitable for houses, pergolas, fences and outdoor furniture where a long life solid opaque stain finish is required.

AQUAOIL OMEGA: Specifically designed for alpine and extreme weather regions - this exterior, penetrative, high density solid opaque stain 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.



Our Products

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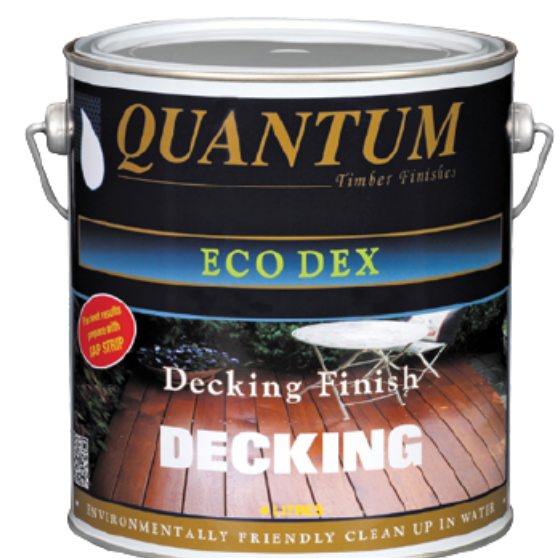
DECKING

Protect your investment with Quantum's complete range of residential and commercial timber deck finishes. Quantum's unique range of timber deck finishes will defend your deck against the elements from mild to extreme, leaving your deck looking newer for longer with minimal maintenance.

TIMBRE PLUS DECKING: 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. Suitable for exterior decking and walkways.



ECODEX: 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. Suitable for exterior decking and walkways.



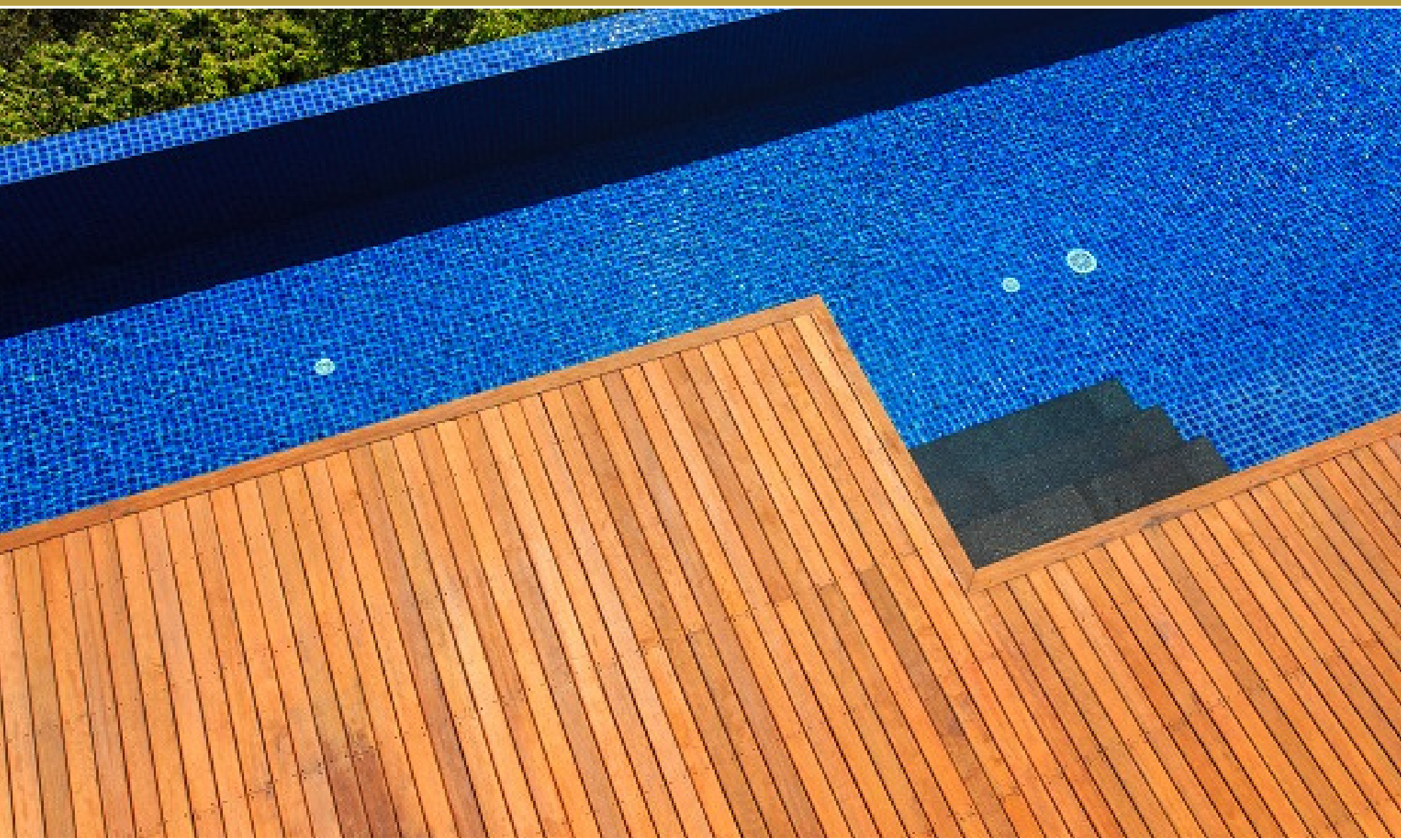
DIP

Dip/Timber treatment coatings can in many circumstances be a very quick and economical way of coating products such as wooden furniture, panels, sheds, cubby houses, screens, timber chips and prefinished decking with preservatives.

QUANTUM DIP: 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.

AQUATEC DIP: 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 mildew, algae and fungal protection.





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	

Tinted to

Product	Gloss Level	Green Building Council	VOC Content	Transparent Stain*	Solid Opaque Stain*	Advantages	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
AQUASTAIN	N/A	Yes	<45 g/L	✓	✗	Wide range of colours	500ml, 1L, 4L, 10L	No Thinning	1-2 hours	1 coat <small>(if darker shade is required apply 2nd coat)</small>	Cloth or Brush	12m²	
MICROCLEAR	Matt, Satin, Gloss	Yes	<46 g/L	✓	✓	Fast dry - multiple coats per day	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	10-16m²	Water

* 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.

Tinted to

Product	Gloss Level	Green Building Council	VOC Content	Transparent Stain*	Solid Opaque Stain*	Advantages	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
TIMBRE PLUS DECKING	Satin	Yes	<38 g/L	✓	✗	Tough, slip & UV resistance	1L, 4L, 10L, 20L	No thinning	3-4 hours Recoat 6 hour	Minimum 3	Brush, Roll, Spray or Dip	9m²	Water
ECODEX	Satin	Yes	<19 g/L	✓	✗	Economical decking oil	1L, 4L, 10L		3-4 hours Recoat 6 hour	Minimum 3	Brush, Spray or Roll	9m²	

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Product	Gloss Level	Green Building Council	VOC Content	Tinted to		Advantages	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
				Transparent Stain*	Solid Opaque Stain*								
MICROFLOOR	Satin, Gloss	Yes	<96 g/L	✗	✗	Tannin blocking, low odour, fast dry	4L, 10L	-	30 minutes Recoat 2 hours	3	Brush or Roll	10-12m²	Water
MICROFLOOR SLIP RESIST 50		Yes	<96 g/L	✗	✗	D1 Dry Slip & P5 Wet Slip Rating	4L, 10L	-	-			10-12m²	

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Product	Gloss Level	Green Building Council	VOC Content	Transparent Stain*	Solid Opaque Stain*	Advantages	Pack Size	Thinning	Dry Time @25°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
TIMBRE PLUS VERTICAL	Low Sheen	Yes	< 33g/L	✓	✗	UV resistant & toughness	1L, 4L, 10L, 20L	No Thinning	2-4 hours Recoat 4 hours	3	Brush, Spray or Roll	9m²	
MICROCLEAR	Matt, Satin, Gloss	Yes	<46 g/L	✓	✓	Fast dry - multiple coats per day	1L, 4L, 10L	Up to 5% with water	Touch dry 30 min Recoat 1 hour	Interior 1-3 Exterior 3		10-16m²	
GOLD	Low Sheen	No	<144 g/L	✗	✗	Enhances the natural grain/hues	4L, 10L, 20L		12-24 hours Recoat 24 hours	3		Old Timber up to 2m² New Timber up to 7m²	
QUANTEC	Matt	No	<189 g/L	✗	✗	Preserves & protects	4L, 10L, 20L	No Thinning	24-48 hours		Brush, Spray or roll	4-6m² First coat may use more	Water
AQUAOIL	Low Sheen	Yes	<19 g/L	✗	✓	Binds wood fibres together	500ml, 1L, 4L, 10L, 20L		6-8 hours Recoat 12 hours	2		Old Timber up to 2m² New Timber up to 7m²	
AQUAOIL OMEGA		No	<110 g/L	✗	✓	Protects coating against snow & salt	500ml, 1L, 4L, 10L, 20L		12-24 hours Recoat 24 hours				

Product	Pack Size	Thinning	Dry Time @22°C	No. Coats	Application	Coverage (m² per litre)	Clean Up
SLIP RESIST 50	600gm, 150gm	Nil	Nil	Nil	Nil	Nil	Water



Product Specifications

Quantum Timber Finishes, a division of the Mirotone group, specialises in bio based timber conditioners and finishes. Over 20 years of dedication to ecologically sustainable products has resulted in a wood care product range that is formulated from vegetable derived resonated oils, sourced entirely from renewable resources (not a petrochemical base). The range has minimal VOC's which makes the products safer for both users and the environment. Environmentally Sustainable, Environmentally Responsible.



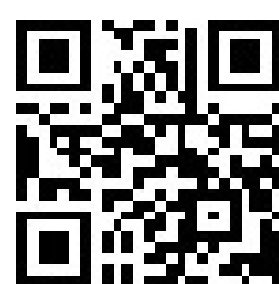
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qtf.com.au

☎ 1300 132 202

✉ marketing@mirotone.com.au

8/26 Nelson Road
Yennora NSW 2161



@quantumtimberfinishes_ANZ

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