



QUANTUM

TIMBER FINISHES



Environmentally Sustainable, Environmentally Responsible.

QUANTEC

A penetrating natural oil preservative for timber.

Advantages

- 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).

Typical Applications

Apply as a clear oil which fades to a natural silver finish, or apply using one of 12 colour choices to enhance and maintain the timber.

Suitable for use on:

- Exterior timber including weatherboards, doors, plywood, log buildings, shutters, garage doors, joinery, fences, posts, fascia boards, outdoor furniture, spa pools and engineered products.
- Interior timber including beams.

Not suitable for use on:

- Bamboo and acetylated wood.

Coverage

- New Timber >10m² per litre
- Old Timber 6-10m² per litre
- Rough Sawn Timber 4-6m² per litre

QUANTEC (4590)

Issued 17/12/2020

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The information in this data sheet represents typical values. Application variables affect product performance therefore this information should be used as a guide. The user must satisfy themselves as to the suitability of this product for their requirements. Mirotone assumes no liability for use of this information.

www.qtf.com.au

Free call 1800 053 018

quantum@qtf.com.au

Free call 0800 34 64 74 (NZ)

information@mirotone.co.nz

Application Method

By brush, roller, spray, dip.

1. *New timber:* SAP STRIP to remove all extractives and sterilise any fungus or mould. This will help to open the timber grain, and remove mill glaze assisting with the penetration of the coating.
2. *Old Timber:* Wash with DEX PREP and a strong jet of water to rid the surface of oxidisation (greying).
3. Apply the first coat liberally to allow the coating to soak into the cracks and grain as much as possible. Allow to dry.
4. Apply a second coat once the timber feels dry to the touch, and within 48 hours of the first coat.

Note: Failure to follow Steps 1 & 2 will result in QUANTEC not penetrating the timber and could remain tacky.

Drying times under normal conditions are within 24 up to 48 hours. Drying time can be affected by a number of factors including the density & porosity of timbers, temperature and humidity.

Maintenance

QUANTEC is designed to fade over time, it will not crack, peel or flake so rejuvenating faded timbers coated with QUANTEC is simple, easy to follow and cost effective.

QUANTEC will lighten and fade faster in full weather exposed areas, whereas wood in protected areas will retain colour with minimal maintenance over time. Clear or tinted QUANTEC should be reapplied as frequently as necessary to retain the natural beauty and colour of the wood.

Colour durability will vary according to factors such as the porosity of the wood, species, exposure to weather, age and the texture of the wood surface.

As a general guide QUANTEC requires re-application every 6-12 months to prevent silvering of the timber and ensure a fresh appearance.

Generally exterior horizontal surfaces exposed to full weather will require re-coating more frequently than vertical surfaces.

Specifications	Heat/Temperature	Do not apply if temperature is below 15°C or above 30°C.
	Water	Good resistance. Do not immerse.
	Drying	Timber must feel dry to the touch before further applications.
Properties	Colour	Natural and 12 colours.
	Finish	Low Sheen.
	VOC Level	<190g/L.
	Thinner	Not required.
	Pack Sizes	1L, 4L, 20L, 200L.
	Product Code	4590.
	Clean Up	Water clean-up. The use of soap and water will result in faster wash up time.

Surface Preparation

Substrate	Preparation	System	Final Appearance	Tinted to QUANTEC (12 colours)
New timber	SAP STRIP - Remove extractives, fungus, mould and mill glaze.	1st Coat: QUANTEC 2nd Coat: QUANTEC	New	Yes
			Silvered	No
Old timber -Previously coated with QUANTEC.	DEX PREP - Timber brightener. Cleans and opens timber grain.	1st Coat: QUANTEC 2nd Coat: QUANTEC	New	Yes
			Silvered	No
Old timber - Previously coated with film forming coating.	Q-STRIP to remove old coating. DEX PREP - Timber brightener. Cleans and opens timber grain.	1st Coat: QUANTEC 2nd Coat: QUANTEC	New	Yes
			Silvered	No
Old timber - Previously coated with non-drying mineral oils.	POWER CLEAN to remove natural oils, stains and treatments. DEX PREP - Timber brightener. Cleans and opens timber grain.	1st Coat: QUANTEC 2nd Coat: QUANTEC	New	Yes
			Silvered	No

QUANTEC Colour Range



Black



Greystone



Puff Haze



Navajo



Walnut



Merbau



Rosewood



Jarrah



Teak



Light Oak



Cocoa



Wheat

Colours shown on this datasheet are as close as possible to actual colours. Note: Due to limitations of the printing process, photographic and printed images may not represent true colours.

Health & Safety

Before handling, refer to the Safety Data Sheet (SDS) for health and safety information. Ensure that all people using this product have read and understood this data sheet, the associated SDS and packaging label before using this product.