This data sheet contains TQ’s recommendations for residential timber decks, verandahs, patios etc which are exposed to the weather. It covers the most common timber species and deck sizes. Footing sizes and deck bracing shall be designed in accordance with the Building Code of Australia (BCA) regulatory requirements. For alternative sizes, spans and stress grades refer to AS 1684 Residential timber framed construction. For commercial and industrial decks, refer to Technical Data Sheet 7. For decks close to the ground (i.e. framing less than 400 mm above ground), refer to Technical Data Sheet 13. For timber handrails and balustrades, refer Technical Data Sheet 23.

### TABLE 1 - SPECIES SELECTION

<table>
<thead>
<tr>
<th>Species</th>
<th>Posts in Ground</th>
<th>Post and Framing Above Ground</th>
<th>Decking</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESERVATIVE TREATED PINE ROUNDS (Carribean, Hoop, Radiata, Slash)</td>
<td>✓ H5 Treatment</td>
<td>✓ H3 Treatment</td>
<td>✓ H3 Treatment (See Note 1)</td>
</tr>
<tr>
<td>MIXED OPEN FOREST HARDWOODS (QLD, Nthn. NSW)</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BALAU Yellow</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BELIAN</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>BLACKBUTT</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>CYPRESS</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>GUM Forest Red</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>GUM Grey</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>GUM Spotted</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>IRONBARK Red or Grey</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>KWILA (MERBAU)</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MAHOGANY Red</td>
<td>×</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MAHOGANY White</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MESSMATE Gympie</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TALLOWWOOD</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TURPENTINE</td>
<td>(See Note 2)</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Note:**
1. CCA treated timber shall not be used for domestic decking boards
2. This species may be suitable for use in ground in drier geographic regions. Refer to ‘Construction Timbers in Queensland’ for suitability. www.daff.qld.gov.au

### TIMBER SELECTION

**Posts in contact with the ground** shall be either preservative treated pine or In-ground Durability Class 1 hardwood, with any sapwood preservative treated. Refer to ‘Construction Timbers in Queensland’ for suitability www.daff.qld.gov.au.

Decking and deck framing above ground shall be either cypress, preservative treated pine or Above Ground Durability Class 1 hardwood. Hardwood decking boards and deck framing containing sapwood must be preservative treated.

Preservative treatment for posts in the ground and framing on the ground, shall be to hazard level H5. Preservative treatment for framing more than 150 mm above ground shall be H3.

Cypress framing may contain limited amounts of sapwood (max. 25% width of face or edge) provided the sapwood does not occur at joints or fixing points.
Cypress decking shall be Grade No. 1 in accordance with AS 1810.
Sapwood in cypress decking boards shall face downward and be below or as close as possible to any eaves or roof projection.

Hardwood decking shall be standard (medium feature) grade or select grade in accordance with AS 2796. Select grade decking is recommended in fully weather exposed situations. Softwood decking shall comply with AS 4785 - Timber - Softwood - Sawn & milled products.

Decking boards shall be seasoned to the requirements of the applicable Australian Standard (i.e. Hardwood 10% to 18%, Softwood 10% to 15%).

Note: TQ recommends a maximum MC of 15% for residential decking.

**TABLE 2 - TIMBER POSTS**

<table>
<thead>
<tr>
<th>Size DxB (mm)</th>
<th></th>
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<th></th>
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<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unseasoned Cypress, F5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheet Roof</td>
<td>75 x 75</td>
<td>100 x 100</td>
<td>2000</td>
<td>1900</td>
<td>1700</td>
<td>1500</td>
<td>1400</td>
<td>1300</td>
<td>1200</td>
<td>1000</td>
<td>800</td>
<td>600</td>
<td>400</td>
<td>200</td>
</tr>
<tr>
<td>Tile Roof</td>
<td>75 x 75</td>
<td>100 x 100</td>
<td>2000</td>
<td>1900</td>
<td>1700</td>
<td>1500</td>
<td>1400</td>
<td>1300</td>
<td>1200</td>
<td>1000</td>
<td>800</td>
<td>600</td>
<td>400</td>
<td>200</td>
</tr>
</tbody>
</table>

**TABLE 3 - BEARERS**

<table>
<thead>
<tr>
<th>Member Size (mm)</th>
<th></th>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Unseasoned Cypress, F5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 x 75</td>
<td>1000</td>
<td>NS</td>
<td>NS</td>
<td>NS</td>
<td>1000</td>
<td>NS</td>
<td>NS</td>
<td>NS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/100 x 50</td>
<td>1300</td>
<td>1100</td>
<td>900</td>
<td>1300</td>
<td>1100</td>
<td>900</td>
<td>1300</td>
<td>1100</td>
<td>900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>125 x 75</td>
<td>1300</td>
<td>1100</td>
<td>1000</td>
<td>1300</td>
<td>1100</td>
<td>900</td>
<td>1300</td>
<td>1100</td>
<td>900</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/125 x 75</td>
<td>1600</td>
<td>1400</td>
<td>1300</td>
<td>1600</td>
<td>1400</td>
<td>1300</td>
<td>1600</td>
<td>1400</td>
<td>1300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150 x 75</td>
<td>1600</td>
<td>1300</td>
<td>1200</td>
<td>1600</td>
<td>1300</td>
<td>1200</td>
<td>1600</td>
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<td>1200</td>
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<td></td>
</tr>
<tr>
<td>2/150 x 75</td>
<td>1950</td>
<td>1650</td>
<td>1500</td>
<td>1950</td>
<td>1650</td>
<td>1500</td>
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<td>1650</td>
<td>1500</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>175 x 75</td>
<td>1800</td>
<td>1600</td>
<td>1400</td>
<td>1800</td>
<td>1600</td>
<td>1400</td>
<td>1800</td>
<td>1600</td>
<td>1400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/175 x 75</td>
<td>2200</td>
<td>1900</td>
<td>1700</td>
<td>2200</td>
<td>1900</td>
<td>1700</td>
<td>2200</td>
<td>1900</td>
<td>1700</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 x 75</td>
<td>2100</td>
<td>1800</td>
<td>1600</td>
<td>2100</td>
<td>1800</td>
<td>1600</td>
<td>2100</td>
<td>1800</td>
<td>1600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/200 x 75</td>
<td>2600</td>
<td>2200</td>
<td>2000</td>
<td>2600</td>
<td>2200</td>
<td>2000</td>
<td>2600</td>
<td>2200</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. Bearers to support floor loads only. Posts supporting roof to be directly over deck supports.
2. Maximum cantilever can be 25% of allowable span provided the actual backspan is at least twice the actual cantilever.
3. Sizes greater than 200 mm deep may not be readily available.
4. For other stress grades and sizes refer to AS1684 Residential timber-framed construction.

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TABLE 4 - FLOOR JOISTS (450 MM SPACING)

<table>
<thead>
<tr>
<th>Member Size (mm)</th>
<th>Single Span</th>
<th>Continuous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unseasoned Cypress, F5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 x 50</td>
<td>1400</td>
<td>1700</td>
</tr>
<tr>
<td>125 x 50</td>
<td>2200</td>
<td>2200</td>
</tr>
<tr>
<td>150 x 50</td>
<td>2600</td>
<td>2600</td>
</tr>
<tr>
<td>175 x 50</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>200 x 50</td>
<td>3500</td>
<td>3500</td>
</tr>
<tr>
<td>Seasoned Treated Pine, F7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 x 45</td>
<td>1300</td>
<td>1700</td>
</tr>
<tr>
<td>120 x 45</td>
<td>2200</td>
<td>2200</td>
</tr>
<tr>
<td>140 x 45</td>
<td>2600</td>
<td>2600</td>
</tr>
<tr>
<td>190 x 45</td>
<td>3600</td>
<td>3600</td>
</tr>
<tr>
<td>240 x 45</td>
<td>4500</td>
<td>4500</td>
</tr>
<tr>
<td>Unseasoned Hardwood, F14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 x 50</td>
<td>2200</td>
<td>2500</td>
</tr>
<tr>
<td>125 x 50</td>
<td>2800</td>
<td>3200</td>
</tr>
<tr>
<td>150 x 50</td>
<td>3400</td>
<td>3800</td>
</tr>
<tr>
<td>175 x 50</td>
<td>3900</td>
<td>4500</td>
</tr>
<tr>
<td>200 x 50</td>
<td>4400</td>
<td>5100</td>
</tr>
</tbody>
</table>

Notes:
1. Joists to support floor loads only. Posts supporting roof to be directly over deck supports.
2. Maximum cantilever can be 25% of allowable span provided the actual backspan is at least twice the actual cantilever.
3. Sizes greater than 200 mm deep and >6000 mm long may not be readily available.
4. 45/50 mm wide joists are recommended where decking boards are nail fixed to tops of joists. 35/38 mm wide joists are suitable where side of joist proprietary fixings (e.g. Deklok) are used.
5. For other stress grades and sizes refer to AS 1684 Residential timber-framed construction.

TERMITES PROTECTION
Physical and/or Chemical termite management systems must be provided to protect the deck and to ensure termites do not bypass protection systems to adjacent structures. Termite management systems must be designed so that they can be readily inspected and maintained.

Where adequate termite management systems are not provided to decks, they shall be completely isolated from any adjacent structure.

MEMBER DESIGN
Tables 2, 3 and 4 list sizes for posts, bearers and joists, for common member spacings and commonly used timber stress grades.

The following tolerances apply:
- Unseasoned Cypress + 2 mm - 4 mm
- Seasoned Pine + 2 mm - 0 mm
- Unseasoned Hardwood + 3 mm - 3 mm.

The sizes for bearers and joists do not allow for roof loads (i.e. posts supporting roof to be continuous to the ground or be positioned directly over deck supports) and are suitable for a maximum decking mass of 20 kg/m².

Where heavier decking systems are used such as tiles over fibre cement, specific design is required.

For alternative sizes, spans and stress grades or for members supporting roof loads, refer to AS 1684 Residential timber-framed construction.

FIXINGS
Post stirrups shall be hot dipped galvanised.

Bolts, screws and nails shall be hot dipped galvanised or stainless steel (not zinc plated).

Proprietary connectors (joist hangers, framing anchors, etc), in fully weather exposed situations, shall be either hot dipped galvanised, stainless steel or with a fused, baked epoxy coating or other protection in accordance with manufacturer’s recommendations.

Notes:
1. Standard galvanised connectors (Z 275 class) are only recommended when weather protected (i.e. under roof).
2. In corrosive environments (i.e. close to the coast, swimming pools, etc), higher levels of protection are required.
3. The above recommendations apply to treated timber which remains dry in service. Proprietary connectors used with CCA, ACQ or copper azole treated timber, which remains moist (i.e. over 20% for extended periods), shall be either stainless steel or with a fused or baked epoxy coating (not standard or hot dipped galvanised).

ATTACHING DECKS TO HOUSE
Ledgers shall be a minimum 90 x 45 mm treated pine, hardwood or cypress, fixed to house framing (studs, joists or bearers) with 12 mm dia. hot dipped galvanised bolts or coach screws at 600 mm maximum spacing. Ledgers may be fixed with masonry anchors to structural brick or block walls in accordance with manufacturer’s instructions.

Note: Brick veneer or other single skin brick walls may not be structurally adequate and require additional piers or freestanding posts with decks independently braced.

BRACING
Decks shall be braced to prevent lateral movement and shall be designed in accordance with the BCA and regulatory requirements. Where timber braces are used they shall be double diagonal 100 x 38 mm hardwood or 90 x 45 mm treated pine, halved at the crossing.

Decks attached to the house shall have double diagonal bracing either:
(a) fixed to the underside of joists with each brace fixed to each joist with 75 mm No. 14 Type 17 batten screws or two 75 x 3.15 mm nails, or
(b) for decks greater than 1800 mm high, fixed between a pair of posts, parallel to the wall, with the ends of braces bolted to posts with 12 mm dia. bolts.

Freestanding decks greater than 1800 mm high shall be braced in both directions with double diagonal braces between at least two pairs of posts at right angles. Freestanding decks less than 1800 mm may have posts embedded in the ground to provide lateral bracing.

INSTALLING POSTS
Footings for decks etc shall be in accordance with the BCA regulatory requirements. Timber posts should preferably be fixed to hot dipped galvanised steel stirrups set in concrete. A minimum clearance of 75 mm shall be provided between the top of the concrete footing and the bottom of the post as a termite inspection zone.

Holes for embedded posts shall be filled with 100 mm depth of...
coarse gravel (to allow water to drain) before backfilling with concrete or rammed earth. Top of backfill to be sloped away from posts to shed water. Termite management systems to embedded posts shall be provided by stainless steel mesh (Termimesh) socks or caps or by chemical treatment to the surrounding ground.

**INSTALLING BEARERS**

Bearers shall be adequately fixed to posts.

Either:-

- (a) Where bearers sit on top of posts, fixed with proprietary post caps or brackets in accordance with manufacturer’s instructions, or
- (b) With bearers housed into posts and bolted with two 12 mm dia. bolts. (Minimum 35 mm of post to remain after housing), or
- (c) For double bearers, partially housed (10 mm) into side of posts and bolted with two 12 mm dia. bolts.
- (d) Where posts continue up to support handrails, refer to Technical Data Sheet 23 for sizes and limitations on housing.

*Note: Housed joints shall be coated with water repellent preservatives or oil based primer*

Seasoned double bearers may be either spaced or nail-laminated together with staggered nails, at a spacing equal to twice the bearer depth. Unseasoned double bearers shall be spaced. Where double bearers are spaced, solid timber spacing blocks shall be provided and bolted between the bearers at mid-span.

**INSTALLING JOISTS**

Joists shall be fixed on top of bearers or ledgers at 450 mm maximum spacing with either two 75 mm x 3.15 mm skew nails or proprietary framing anchors or brackets.

Alternatively, joists may be installed in line with bearers and/or ledgers and fixed with proprietary joist hangers in accordance with manufacturer’s recommendations.

Where joists are face fixed to bearers or ledgers with joist hangers in addition to nails, one screw in each leg of the hanger shall be provided into the face of the bearer or ledger.

*Note: Nails for proprietary connectors to be hot dipped galvanised*

Sizes shown in Table 4 list only 45 mm and 50 mm wide joists although 35/38 mm wide joists may be structurally adequate. Joists 45/50 mm wide are recommended because they are less prone to splitting and provide better bearing and fixing for decking boards at joins and ends. Joists 35/38 mm wide may be suitable for use where decking is fixed to sides of joists with proprietary fixings (Refer AS 1684 for larger range of joist sizes).

Where depth of joist is greater than four times the width, solid blocking shall be provided between joists at each support. For joists spans over 3 m, additional herringbone strutting or solid blocking should be provided in evenly spaced rows as follows:-

- For spans over 3.0 m to 4.2 m - one row
- For spans over 4.2 m - two rows equally spaced.
DECKING

Decking boards are available plain (square edged), with pencil round or arrised edges, or with one reeded or ribbed surface. Tongue and grooved flooring must not be used for weather exposed decks.

Standard cover widths are:-

- Cypress: 68 mm
- Treated Pine: 70 mm or 90 mm
- Hardwood: 63 mm, 86 mm or 135mm

Narrow boards are recommended as they shed water more readily and are therefore less prone to cupping and twisting.

Reeded or ribbed decking may be fixed with reeded face down or up (owners choice), however where fixed with reeded face up (as a “non-slip” surface), decking must be regularly maintained as build up of dirt and mould in grooves can make surfaces more slippery and accelerate decay.

Decking boards shall be seasoned to the requirements of the applicable Australian Standard (i.e. hardwood 10% to 18%, softwood 10% to 15%).

Note: TQ recommends a maximum MC of 15% for residential decking.

TABLE 5 - DECKING

<table>
<thead>
<tr>
<th>Species</th>
<th>Min. Grade</th>
<th>Thickness (mm)</th>
<th>Max. Joist Spacing (mm)</th>
<th>Nailing Requirements (see Note #)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardwood</td>
<td>Standard Grade (AS 2796)</td>
<td>19</td>
<td>500</td>
<td>50 x 2.8 Galv Bullet Head</td>
</tr>
<tr>
<td>Cypress*</td>
<td>Standard Grade (AS 1810)</td>
<td>21</td>
<td>450</td>
<td>50 x 2.8 Galv Bullet Head</td>
</tr>
<tr>
<td>Treated Pine (H3)</td>
<td>Standard Grade (AS 1782)</td>
<td>22</td>
<td>450</td>
<td>50 x 2.8 Galv. Flat Head</td>
</tr>
</tbody>
</table>

Notes:
- * Cypress containing sapwood should not be used closer than 250mm from ground. Refer recommendations in AS 1810.
- # Where joists are treated softwood, nails shall be deformed ring shank, or alternatively screws.

Recent comparative laboratory withdrawal tests carried out by Timber Queensland on a wide range of commercially available machine driven nails indicated a large variation in machine nail withdrawal resistance. Installers of decking should ensure that machine nails used have equal or better withdrawal resistance than the hand nails given above. Installers should obtain comparative withdrawal information from nail suppliers or conduct comparative trials (pinch bar) on test material before using a particular machine nail.

INSTALLING DECKING

The top surface of joists and all surfaces of decking boards should have a coat of water repellent preservative or oil based primer plus one coat of the selected finish (paint or stain) applied before fixing decking (refer Finishes). Table 5 lists the required fixings for domestic decking.

Hardwood and Cypress decking up to 90 mm width shall be spaced with 3 mm (min) gaps. Softwood decking shall have 5 mm gaps.

Butt joints shall be staggered (i.e. not on adjoining boards).

A slight back-cut will assist in obtaining a tight fit at butt ends.

Each board shall be fixed at every joist crossing with two nails as required by Table 5. Alternatively, proprietary fixings may be used in accordance with manufacturer’s instructions.

Nails shall be hot dipped galvanised or stainless steel (not zinc plated). Within 1 metre of swimming pools, stainless steel or silicon bronze fixings are recommended.

Nails shall be kept 12 mm from edges and ends of boards. Nail holes at butt joints shall be predrilled (80% nail diameter) to avoid splitting.

Nails shall be driven flush with surface (not punched). At intermediate fixings nails shall either be offset or driven at slightly opposing angles.

HANDRAILS AND BALUSTRADES

Decks more than one metre above ground require a handrail or balustrade. Refer to TDS 23 for Timber Handrails and Balustrades.
FINISHING

All decks shall have a finish applied as protection against the weathering effects of sun and rain.

*Note: Unprotected timber exposed to the weather will fade to a silver-grey colour and could distort and develop splitting and surface checking.*

One coat of a water repellent preservative or an oil based primer plus one coat of the selected finish shall be applied to the top surface of joists and to all surfaces of decking (including cut ends) prior to fixing. Additional coats shall be applied (to manufacturer’s instructions) to the top surface of decking after construction.

The following finish types are available:

**Clear Finishes/Water Repellent Preservatives (WRP)**

These are generally water repellent materials (waxes, resins, etc.) in a light organic solvent base. They often also contain chemicals which inhibit decay. These finishes provide protection against moisture and are recommended as a priming coat for other coatings. The compatibility of WRP with other coatings should however be checked. Generally, two weeks is required between application of WRP and other finishes.

Clear finishes provide minimal protection against the UV effects from the sun. When used on their own they require reapplication at about six monthly intervals.

*Note: Clear polyurethane finishes can breakdown under UV exposure and are not recommended for external use.*

**Paints**

Opaque paint finishes provide the best protection against weathering, however they obscure the natural colour and grain of the timber. Pale colours are recommended. Normal paints cannot withstand the wear from foot traffic, therefore only special decking paints should be used, strictly in accordance with manufacturer’s recommendations.

*Note: Oil-based primers are recommended for both oil-based and water-based paint finishes.*

Recoating is necessary every five to seven years, depending upon exposure. Additional preparation (sanding, repriming etc.) is frequently necessary.

**Decking Oils/Decking Stains**

Decking oils and stains are available which provide a relatively natural, semi-transparent, protective finish. Solvent (Oil) or water based stains are available often with mould inhibiting additives. Decking stains with light coloured pigments are recommended as they absorb less heat and only slightly change the natural colour of the timber.

Reapplication is generally necessary every two to five years depending upon the amount of pigment included, and the degree of exposure. Apart from cleaning, no additional surface preparation is generally required.

MAINTENANCE

Frequent wetting of decks should be avoided (sweep or clean, don’t hose). Adequate ventilation should be provided to allow rapid drying after rain or watering. Pot plants should be on trays and prevented from overflowing. Shrubs which permanently shade the deck and creepers on rails etc. should be avoided.

Reapplication of finishes will be required at regular intervals, depending on finish type and degree of exposure. Before recoating all decks shall be thoroughly cleaned and debris removed from between boards. For some finishes, decks may also require sanding. Recoating shall be carried out in accordance with the manufacturer’s recommendations.

SAFE WORKING

Working with timber produces dust particles. Protection of the eyes, nose and mouth when sanding, sawing and planing is highly recommended. Refer to tool manufacturers for safe working recommendations for particular items of equipment.

DISPOSAL OF OFFCUTS AND WASTE

For any treated timber, do not burn offcuts or sawdust. Preservative treated offcuts and sawdust should be disposed of by approved local authority methods.

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Timber Queensland Limited

ACN 092 686 756 | ABN 50 092 686 756

500 Brunswick Street, Fortitude Valley
Brisbane Queensland 4006

Phone (07) 3254 1989
Fax (07) 3358 7999
PO Box 2014, Fortitude Valley BC Qld 4006
admin@timberqueensland.com.au
www.timberqueensland.com.au

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