

## NEW Garapa Hardwood Decking



## NEW Lunawood Decking



[www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

# Timber Decking Products & How to Build a Deck Guidance



# Quality Brands....



**Q-Deck®** is the over arching brand for all our quality decking products. Conceived in 1999 it still represents our preservative pre-treated softwood range of decking products, manufactured from sustainable and certified softwood.



New FSC® certified, naturally durable high quality garapa hardwood decking and PEFC certified **Q-Deck® Lyptus**, a plantation grown sustainable hardwood decking.



**Q-Grip®** high quality timber deckboards have an enhanced grip using injection applied, resin bonded, slip resistant aggregate strips.



Like **Q-Grip®** deckboards **Q-Grip® Strip** uses an injection applied, resin bonded, slip resistant aggregate but within a tiny moulding/strip that can be retro-fitted to specific **Q-Deck®** deckboards or to existing decking.

# Quality Products....



**Q-Deck® Plus** is a range of preservative pre-treated high quality softwood deck balustrading and sub-frame components such as deck joists and support posts.



**Twinson®** high quality hollow core composite decking is made from 50% wood and 50% virgin PVC. Available in a variety of colours.



**Q-Deck® Lunawood** is a premium grade thermally modified Scandinavian softwood decking (Thermowood) that when fitted does not show obvious surface fixings.



New to the **Q-Garden®** range of products is multi-purpose screening material. Great for deck privacy screening applications - see page 25 for further details.

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# Why Have a Deck?



To enjoy a sun trap



Extra 'pub' space, extra clients



Swimming pool/jacuzzi



For dining outdoors



Extend your living/play space



Contemporary living



Enjoy your garden



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# 'Q' stands for Quality

Better choice, Better quality, Better job.

## BETTER LOOKING, SMOOTHER FINISH

**Q-Deck**® products are machined from slow grown, quality softwood.

More consistent and less waste

**Q-Deck**® products are hand selected during manufacture.

Environmental assurance

**Q-Deck**® products are manufactured from certified timber. **Q-Deck**® Garapa and **Q-Grip**® York and Canterbury decking boards are manufactured from and supplied as FSC® certified timber as standard. **Q-Deck**® Lyptus is supplied PEFC as standard.



www.fsc-uk.org



BMT-PEFC/16-37-56  
Promoting Sustainable Forest Management  
www.pefc.org

## SAVE TIME AND EFFORT

**Q-Deck**® offers ready-made sections of balustrading.

## EXTRA PROTECTION AND PEACE OF MIND

**Q-Deck**® products are preservative pre-treated with a built-in water repellent additive (*Use Class 3 deck joists without water repellent*).

**Q-Deck**® products come with a 15 year warranty against decay and insect attack. (See page 54 for warranty details).

## INDEPENDENTLY QUALITY ASSESSED

All **Q-Deck**® products have DeckMark® accreditation independently assessed by the Timber Decking Association (TDA).

## PERFORMANCE RATED PRODUCTS

2 **Q-Deck**® products have DeckMark® Plus certification. **Q-Grip**® York and **Q-Grip**® Canterbury deckboards (tested to British Standard 7976 parts 1&2).

DeckMark® Plus is an extension of the TDA's DeckMark® quality assurance scheme. Introduced in 2000, DeckMark® was designed to give reassurance to specifiers and consumers that timber deck components have been manufactured to established quality standards.

DeckMark® Plus builds on this widely adopted scheme to combine a quality accredited product with a formal performance rating. For example DeckMark® Plus now enables architects and designers to specify boards that have been independently slip tested in line with BS7976 and provide a 'low slip potential' in both wet and dry conditions.

As manufacturers of **Q-Deck**®, Hoppings can visually strength grade **Q-Deck**® components as required.

All products now available to buy online locally - [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)



Quality selection on the high speed production line



PRESSURE TREATED TIMBER  
WITH BUILT-IN WATER REPELLENT



Reg. Firm No. 0325



Q-Grip® - No.0325(+)  
Strength Rated - 0325(+1)



## BETTER CHOICE

The **Q-Deck**® range includes decking in many varieties: pre-treated, antislip, thermally modified (thermowood), hardwood and composite (part wood, part plastic).

## INSTALLATION GUIDES

Creating a deck to an acceptable standard of construction, finish and performance is a job for the DIY enthusiast or skilled tradesman.

Hoppings Softwood Products is experienced at manufacturing decking products, but cannot cover all areas of deck planning, design and construction. This leaflet, coupled with our informative website and 'How to Build a Deck' on-line video, should provide you with the basics of deck building.

The **Q-Deck**® 'How to Build a Deck' video is available online at:

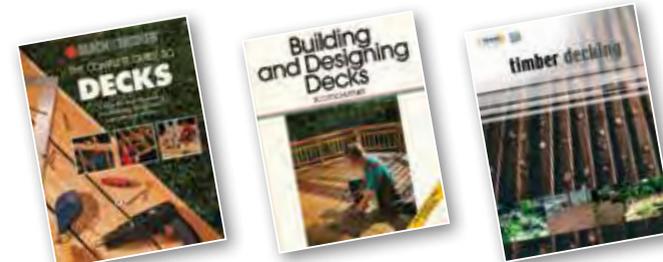


[www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

Throughout this document this icon appears to indicate inclusion in the **Q-Deck**® 'How to Build a Deck' on-line video.



We also strongly recommend the specific deck building publications shown below. These publications are available to buy at good book shops or via the internet.



The construction information provided in this brochure can be used as a guide for decks up to 600mm above ground level (for domestic applications/loadings). For decks 600mm or more above ground level, those requiring Building Regulation conformity or those used in a commercial application, it is necessary to seek advice from a professional deck installer.



## DON'T BE MISLED

You can identify genuine **Q-Deck**®/**Q-Grip**® softwood decking boards by the end stamp information which includes the length of each board.

All products now available to buy online locally - [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)



# Timber Decking Boards

All are manufactured from slow grown and carefully selected softwood.



**Q-Deck® Cambridge**  
 Use Class 3  
 20.5mm x 95mm (finished size after machining).  
 This deck board can be used smooth or reeded profile uppermost. Being the thinnest in the range it is the most economical per square metre but please note you need to use more supporting joists - see table on page 30.



**Q-Deck® Winchester**  
 Use Class 3  
 27mm x 144mm (finished size after machining).  
 This deck board can be used grooved or ribbed side uppermost. Having a proud profile can marginally improve grip characteristics.



**Q-Deck® Canterbury**  
 Use Class 3  
 27mm x 144mm (finished size after machining).  
 This deck board can be used smooth or grooved side uppermost. Being one of the 2 wider profiles means using fewer deck screws per area. Versatile by design - see **Q-Grip® Strip** opposite.



**Q-Deck® York**  
 Use Class 3  
 33mm x 120mm (finished size after machining).  
 This deck board can be used grooved or smooth side uppermost. As with the 33 x 120mm Multi-purpose board you can use less supporting joists - see table on page 30. Versatile by design - see **Q-Grip® Strip** opposite.



# Adding Slip Resistance to Q-Deck® Decking

**Q-Grip® Strip** is a versatile retro-fit solution to minimise the risk of slip associated with a slippery deck. It can be fitted to either new grooves made to existing deckboards or to the grooves on new **Q-Deck®** boards detailed left. When used in conjunction with **Q-Grip® Strip**, our Canterbury, York and Lunawood Thermowood boards allow deck builders to strategically incorporate slip resistant areas within a traditional deck scheme with ease. Areas of decks that tend to require enhanced grip are walkways or boardwalks, borders or edges and steps or stairs.



**Q-Grip® STRIP**  
 Use Class 3  
 5 x 8 x 1195mm (finished size after machining).  
 Available FSC® or PEFC® on request.



New Q-Deck® Lunawood accepts 2 **Q-Grip® Strips** (see page 12).



Fitting **Q-Grip® Strips** (see pages 41-42).



**Q-Grip® Strips** fitted into **Q-Deck® York**



Q-Deck® Canterbury accepts 2 **Q-Grip® Strips**.



Q-Deck® York accepts up to 5 **Q-Grip® Strips**.



**Q-Grip® Strips** in **Q-Deck® Lunawood** finished with Aquadecks Teak (image top left).

**Q-Grip® Strips** in **Q-Deck® York** (image right and bottom left).



# Slip Resistant Decking

**Q-Grip®** Canterbury and York decking boards are manufactured from slow grown and carefully selected softwood and supplied FSC® certified as standard. Please enquire with your **Q-Deck®** retailer if FSC® Chain of Custody is required.

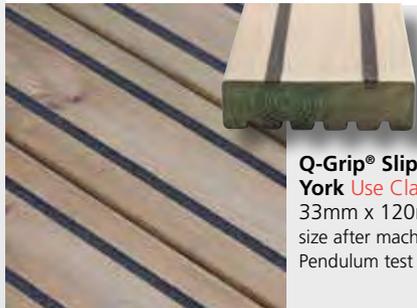


Our **Q-Grip®** slip resistant boards are tested to BS7976 parts 1&2 and provide a 'low potential for slip' under classifications set out by the UK Slip Resistant Group. These boards will still require cleaning as detailed in the deck maintenance section - pages 51-53.



**Q-Grip® Slip Resistant Canterbury**  
Use **Class 3**  
27mm x 144mm (finished size after machining).  
Pendulum test value 85

**Q-Grip®** deckboards have enhanced grip properties and are ideal for slip sensitive areas on domestic decks such as steps and high footfall areas and decks in a commercial/public access type situation such as schools, hotels, pubs, restaurants, outdoor smoking areas and other public places.



**Q-Grip® Slip Resistant York** Use **Class 3**  
33mm x 120mm (finished size after machining).  
Pendulum test value 75

When considering **Q-Grip®** slip resistant decking products we advise you to consult both the planning and design guidance notes on pages 28-35 of this brochure and relevant information on-line at [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

**Q-Grip®** York used on conversion of outdoor space at a public house.



**Q-Grip®** Canterbury deck boards used for a disabled access ramp.



# Bespoke Q-Grip® Decking

Bespoke slip resistant decking is available to order. Due to the awareness and success of **Q-Grip®** decking products we have over the years been asked to manufacture many special/non standard slip resistant decking boards. For sizeable deck projects we can design and produce bespoke **Q-Grip®** slip resistant decking products. Please consult your **Q-Deck®** retailer who will pass the enquiry onto Hoppings Softwood Products for consideration.

Bespoke **Q-Grip®** deckboards allow designers to choose the number, position and colour of **Q-Grip®** Strips for a particular end use. Different types of timber, such as certified hardwood can also be considered.

Below are descriptions of several examples of bespoke **Q-Grip®** slip resistant deckboards, one of which was used on several large pedestrian bridges on the London 2012 Olympic Park.

For more information please visit: [www.anti-slip-decking.co.uk](http://www.anti-slip-decking.co.uk)

## Examples:



**Bespoke Q-Grip® Lyptus Hardwood Decking**  
20mm x 90mm (finished size after machining).  
Minimum quantity 200 lm.



**Bespoke Q-Grip® Garapa Hardwood Decking**  
21mm x 145mm (finished size after machining).  
Minimum quantity 100 lm.



**Bespoke Q-Grip® C24 Heavy Duty Decking**  
(as used on the London 2012 Olympic Park)  
Use **Class 3**  
44mm x 144mm (finished size after machining).  
Minimum quantity 100 lm.



**Bespoke Q-Grip® Lunawood Thermowood Decking**  
26mm x 117mm (finished size after machining).  
Minimum quantity 100 lm.





# Thermowood Decking

**Q-Deck® Lunawood** deck boards 26 x 117mm (finished size after machining).



**Q-Deck® Lunawood** Hidden Fix Profile Decking is a premium grade Thermowood Scandinavian softwood decking with many innovative features.

Thermowood is timber that has undergone a special heat treatment process to make it more durable without the need to use chemicals.

- 20 year warranty against fungal decay and 30 year expected service life, as endorsed by the Building Research Establishment.
- Quick and easy concealed decking clip system gives a 'hidden fix' or fixing free finish/look.
- Initial dark colouration makes it look similar to tropical hardwood decking but at a lower price.
- Accepts 2 **Q-Grip®** slip resistant strips – add grip where you need it.
- Sustainably sourced. **Q-Deck® Lunawood** decking is supplied PEFC certified as standard. Please enquire with your **Q-Deck®** retailer if PEFC Chain of Custody is required.
- The most stable decking board of the **Q-Deck®** range.
- Cedar like performance characteristics.

Please enquire with your **Q-Deck®** retailer to ascertain what lengths are available.



**Q-GRIP® STRIP**  
Use Class 3  
5 x 8 x 1195mm (finished size after machining).



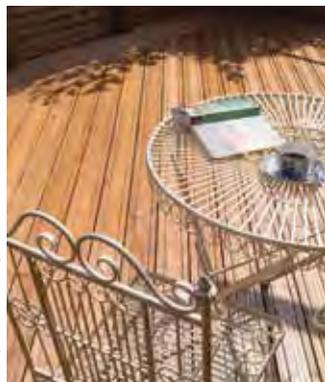
**Q-Deck® Lunawood** Decking with 2 **Q-Grip® Strips** applied.



**Q-Grip® Lunawood** is also available to order. Minimum quantity 100 lm.



**Q-Grip® Lunawood** foreground **Q-Deck® Lunawood** background.



**Q-Deck® Lunawood** finished with Aquadecks Teak by Owatrol.



Please note **Q-Deck® Lunawood**:

- Starts dark brown in colour but weathers to grey over a relatively short space of time. In the interim it is normal for the surface of the Thermowood to become colonised by mould spores that appear as small dark spots. These will also fade overtime. Not a requirement of the warranty but highly recommended, is the use of a non-film forming penetrative protective coating. **But, please note:** New thermowood products cannot be effectively coated without first opening the pores of the wood, by either applying special chemicals, or naturally, by leaving it to weather outdoors in situation for at least 12 months. The use of Prepdeck followed by Net Trol by Owatrol on new thermowood products or the use of just Net Trol on suitably weathered thermowood products enables the effective application of either Aquadecks or Protect by Owatrol. These non-film forming penetrative systems help protect against the greying effects of U.V. light whilst preserving the appearance of the wood. These systems when used correctly should create a matt finish.
- Has a more knotty appearance compared to the **Q-Deck®** preservative pre-treated softwood decking because of how the boards are cut from the original log.
- Is subjected to high temperatures to provide its durability and as a result knots can loosen and sometimes crack. Minor missing surface or lightly cracked knots are permissible on the top/decorative face of boards and may need lightly sanding to remove any sharp edges before using the deck. Missing surface or badly cracked knots are permissible in any number on the reverse of boards.
- Has a distinctive smoky smell which goes with time or as soon as a coating is applied.

**Design and Construction Advice** - See page 39 for further details.

- A condition of the 20 year **Q-Deck® Lunawood** Warranty is the use of Use Class 4 **Q-Deck®** sub-frame components only - see full warranty details.
- For domestic applications fit **Q-Deck® Lunawood** decking to maximum joist centres of 500mm. In principle reduce to 300mm for commercial deck applications but please consult **Q-Deck®** directly on 0800 849 6339 for further advice on a project by project basis.
- **Q-Deck® Lunawood** is not suitable for use where it may be saturated with water or in ground contact.
- Thermowood cuts and works well with traditional wood working tools but is more brittle than normal timber meaning fixings should not be secured without first pre-drilling pilot holes especially near the end grain of boards. This does not apply when using **Q-Deck® Lunawood** concealed decking clips.
- Thermowood becomes slightly more acidic in nature, and therefore it is advisable to only use stainless steel fixings when building with it.
- If screws are used instead of **Q-Deck® Lunawood** concealed decking Clips to fit boards the minimum gap that should be left between adjacent boards is 6.0mm. Two stainless steel decking screws (Such as **Q-Deck-Tite Plus** stainless steel decking screws) should be placed within the grooves provided at every joist junction.

**Recommended Accessories**

- **Q-Deck® Lunawood** concealed fixing clips and stainless steel screws. 100 per box. On 500mm joist centres 17 clips are required to fit one square metre of 26 x 117mm **Q-Deck® Lunawood** hidden fix decking boards.





# Hardwood Deck Boards

**Q-Deck® Lyptus** reversible hardwood decking - 20 x 90mm (finished size after machining).



Smooth side.

Reeded/Ribbed side.

**Q-Deck® Lyptus** hardwood decking is made from cultivated eucalyptus hardwood trees, harvested in less than twenty years, offering unrivalled sustainability.

- Cherry wood appearance.
- A mix of light and dark shades and appealing variable grain.
- Darker coloured boards darken further to rich walnut shades when oiled or wet.
- Durable.
- Strong.
- Tough.
- Kiln dried.
- Sustainable PEFC certified hardwood.

Please note, **Q-Deck® Lyptus** is:

- Not covered by the **Q-Deck®** warranty. The warranty only applies to preservative pre-treated **Q-Deck®** products.
- Like oak and other species of timber with high tannin levels **Q-Deck® Lyptus** is highly susceptible to staining in contact with iron (goes black). Therefore only use stainless steel fixings to secure it. Staining can be removed, see page 53.
- Like all hardwood decking it weathers to grey after exposure to U.V. light. Rejuvenating the original colour or enhancing the colour of lyptus is possible, see page 52.
- Danish oil should not be used to protect **Q-Deck® Lyptus**.

For design and construction advice see page 40.



**Q-Grip® Lyptus** is also available to order. Minimum quantity 200 lm.



Weathered **Q-Deck® Lyptus**



# Hardwood Deck Boards

**Q-Deck® Garapa** smooth reversible hardwood decking - 21 x 145mm



**Q-Deck® Garapa** is also known as Brazilian Ash.

- Sustainably sourced. **Q-Deck® Garapa** decking is supplied FSC® certified as standard.
- Reversible, smooth all round profile allows you to choose the best face.
- Kiln dried, so minimal shrinkage.
- Durable.
- Very strong, very hard, very tough.
- Golden yellow appearance with a mix of appealing variable grain that darkens to light brown after exposure to U.V. light.

Please enquire with your **Q-Deck®** retailer to ascertain what lengths are available and if FSC® Chain of Custody is required.

For fitting and maintenance advice, please refer to page 40.

Please note **Q-Deck® Garapa**:

- Like all hardwood decking **Q-Deck® Garapa** weathers to grey after exposure to U.V light.
- Like many hardwoods Garapa is highly susceptible to staining in contact with iron due to the high levels of tannin present. Only use stainless steel fixings. Use **Q-Deck-Tite Plus** Stainless Steel Decking Screws. The black staining that can occur is easily removed using Net-Trol by Owatrol - see page 53.



**Q-Grip® Garapa** is also available to order. Minimum quantity 100 lm.



Q-Deck® Tite Plus stainless steel decking screws.



**Q-Deck® Garapa** finished with Deks Olje D1 decking oil.



# Twinson® Composite Decking

A hollow core composite decking system, Twinson® is made from wood and PVC, giving you the advantage of technology whilst still maintaining some natural material and feel.

**Q-Deck®** Twinson is available to order in 4.5m and 6.0m lengths.

Please consult your **Q-Deck®** retailer who will pass your request onto us. For more information you may contact us on 0800 8496339 or visit [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

- Easy to keep clean.
- Less prone to algae growth - less slippery in wet conditions.
- Technology provides colourfast looks in 8 shades.
- Highly water resistant and durable.
- Free from splitting and distortion.
- Concealed and easy to fit fixing system.
- Low maintenance.
- Easy to process and cut using conventional woodworking tools.
- The softwood fibre in **Q-Deck®** Twinson is PEFC certified.



Twinson® Ground Batten  
35 x 48 x 6000mm (to order)



Twinson® Starter Rail  
3000mm



Twinson® Plinth  
10 x 78 x 6000mm



P9481 - Sprung  
Twinson®  
finishing clip



P9518 aluminium C  
section



P9543 aluminium F  
section



Twinson® Fixing Bracket with  
screws (Packs of 100)

See page 43 for fitting advice.

Visit [www.qualitydecking.co.uk/technical.php](http://www.qualitydecking.co.uk/technical.php) for detailed fitting advice.

P9555 Composite Deck Board 28x140x4500mm/6000mm



Apricot Brown



Riverstone Grey



Liquorice Black



Walnut



Bark Brown



Hazelnut Brown



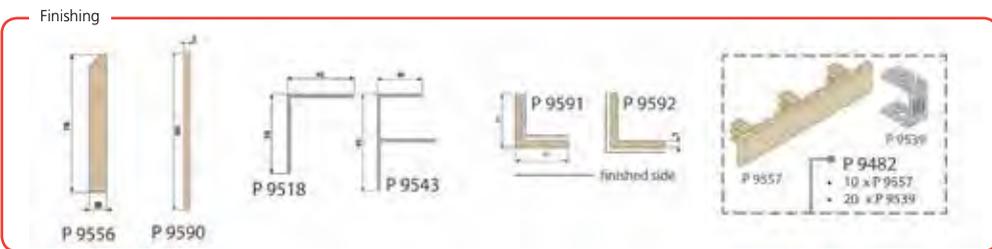
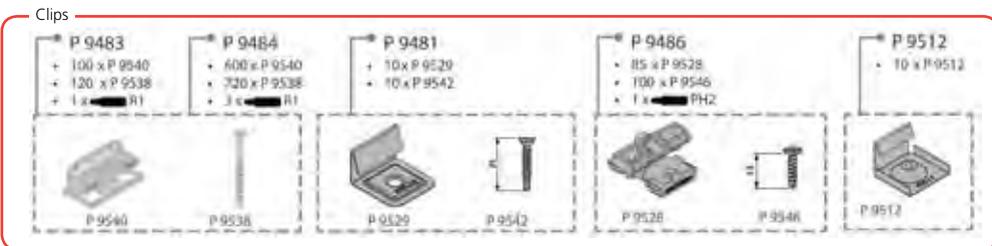
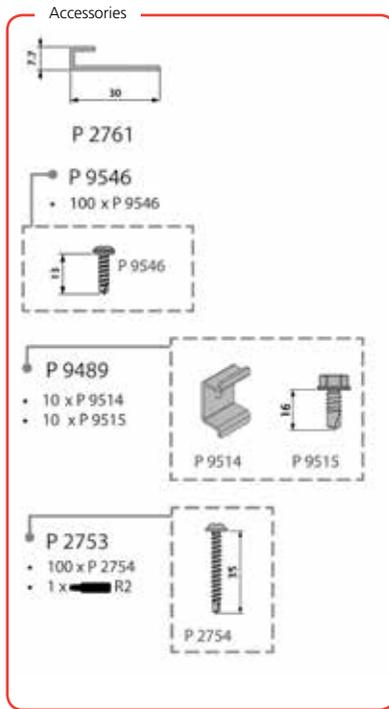
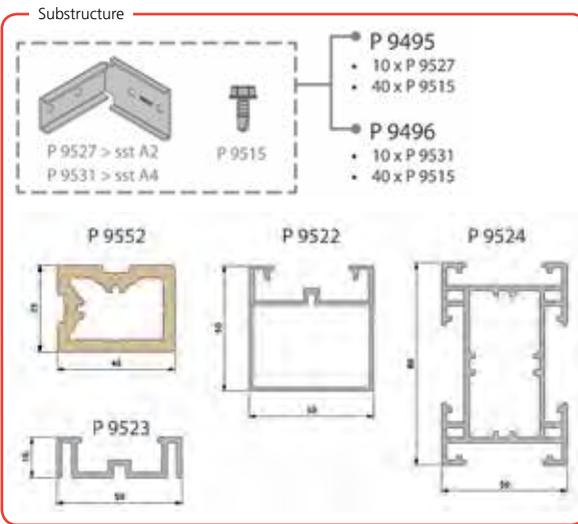
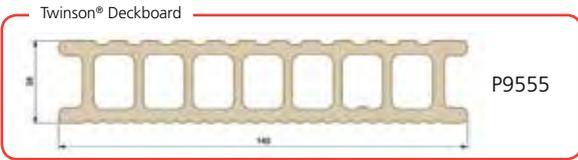
Turf Brown

Please note:  
Colour samples are reproductions only and can deviate from the actual products, new or aged in situation.

If uncertain please request a sample as we cannot be held responsible for incorrect colour choice/specification.



# Twinson® Components and Products Numbers



Sands Restaurant, Southend

Q-Deck® Twinson® Apricot Brown



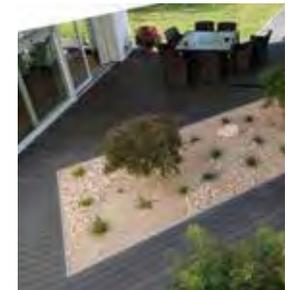
Restaurant Project

Q-Deck® Twinson® Riverstone Grey



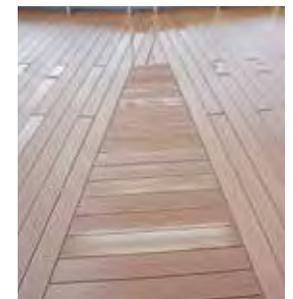
Private Residence, Spain

Q-Deck® Twinson® Liquorice Black



Oakhurst School, Swindon

Q-Deck® Twinson® Apricot Brown





Most components are machined from slow grown and carefully selected softwood (Scots Pine) except for joists, windsor lattice, stair string material and the new 117 x 117mm post products which are from whitewood (Picea Abies).

The 117x117mm post products are an engineered product (finger-jointed) so both glue lines and a feint structural grading mark can be seen. They are C24 strength rated as standard.

## Newels

# Also available strength graded to Strength Class C16/C24.

All Q-Deck® Plus newel posts have 4 eased edges for a better look and a safer finish.



Classic Spindle and Newel



Colonial Spindle and Newel



## Post Caps



Grand Multi-purpose Post Material with Grand Post Cap.



## Spindles and Columns



Contemporary Spindle and Newel



Stop Chamfered Spindle and Newel\*  
\* Finished with 27 x 120 x 120mm rebated post cap.

**Stop Chamfered Spindle Use Class 3**  
41mm x 41mm x 900mm



**Classic Spindle Use Class 3**  
41mm x 41mm x 900mm



**Multi-purpose Baluster Use Class 3**  
33mm x 33mm random lengths



**Flat Chamfered Spindle Use Class 3**  
27mm x 69mm x 970mm

**Colonial Spindle Use Class 3**  
41mm x 41mm x 900mm



**Contemporary Spindle Use Class 3**  
41mm x 41mm x 900mm

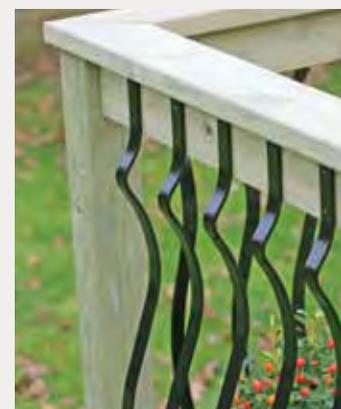


**Grecian Column Use Class 3**  
85mm x 85mm x 500mm (treated to order)



Deckorators Aluminium Powder Coated Balusters

Deckorators™ Baroque Baluster 32" (approx 810mm) Black



**NEW** Also, see page 25 for details of the new Q-Garden® Multi-Purpose screening product shown as a stylish privacy style deck balustrade.



## Handrails/Baluster Rails



Handrail / Bottom rail  
Use Class 3



for 33mm  
for 41mm  
1800/2100 x 44 x 70mm

Handrail Infill  
Use Class 3



1800/2100 x 20 x 39.5mm

Q-Deck®-Tite Handrail bracket



12 brackets and 48  
screws per box



## Multi-purpose Range

The **Q-Deck® Plus** features the Multi-purpose range of products (smooth on all faces, with smooth rounded edges) which can be used for a whole range of general external joinery and decking applications.

See page 25 for details of using the new multi-purpose screening for privacy balustrading.

Note: 44 x 95mm Multi-purpose rail can be used in ground contact for patio style decks. The range is particularly good for making balustrades and creating clean border/fascia edges to decks.



Multi-purpose \*  
44 x 144mm  
C24 Grade  
Use Class 4



Multi-purpose \* #  
33 x 120mm  
Use Class 3



Multi-purpose \*  
27 x 95mm  
Use Class 3



Multi-purpose #  
85 x 85mm  
1.8m length  
2.4m length  
3.0m length  
Use Class 4



Multi-purpose \*  
44 x 95mm  
C24 Grade  
Use Class 4

\* Multi-purpose components are available in random lengths.

# Available strength graded to C16/C24.



**NEW** Q-Garden®  
Multi-purpose screening  
Use Class 3  
27 x 69mm



## Ready Made Balustrades

At 1800mm wide, they are designed to suit most applications but of course they can also be cut to fit narrower gaps between newel posts.



Classic Balustrade  
Use Class 3 (ready-made)  
1800 x 985mm



Colonial Balustrade  
Use Class 3 (ready-made)  
1800 x 985mm



Contemporary Balustrade  
Use Class 3 (ready-made)  
1800 x 985mm



Stop Chamfered Balustrade  
Use Class 3 (ready-made)  
1800 x 985mm



# Q-Deck® Plus Frameless Glass Balustrade



An innovative glass balustrade system designed to create a barrier/enclosure with relative ease without interrupting a desirable view.

- Maintains a clear view of a garden or vista.
- Acts as a wind-break, providing a warmer more sheltered area compared to traditional balustrade systems.
- Contemporary design maintains the impression of clear space and light.
- Creates a stunning, modern, clean appearance.
- Mini post design offers simplicity of fitting.
- Can be supplied with optional hand-rail and fittings.
- Glass screen heights available at 900 mm & 1100mm.



The product system is available to order from **Q-Deck®** retailers. (A pre-determined order specification form is to be completed before orders can be processed and delivery confirmed).

Please note: This product is supplied direct to the purchaser (within mainland England and Wales) by the manufacturer to avoid handling damage.

## System components

- 12mm thick toughened glass with polished edges. Two glass heights are available, 900mm high or 1100mm high. The length of each glass panel is cut and supplied as required, maximum length (glass) is 2000mm. Glass panels should be sized to allow a 10mm space between panels.
- Protective-coated aluminium mini posts. Minimum requirement two posts per glass panel.

If extra stability is required a stainless steel handrail can be added to the top of the glass.

- **Q-Deck® Plus** 42mm diameter stainless steel (316) handrail for glass. Supplied pre-cut to the length of each glass panel. If glass panels are to be run in-line, handrail can be supplied to suit (up to 3000mm length on request).
- **Q-Deck® Plus** stainless steel (316) end cap for handrail.
- **Q-Deck® Plus** stainless steel (316) 90 degree handrail corner joint.
- **Q-Deck® Plus** stainless steel (316) articulated handrail corner joint.



Mini post



Handrail



End cap



Handrail corner joint

Visit [www.qualitydecking.co.uk/technical.php](http://www.qualitydecking.co.uk/technical.php) for detailed fitting advice.

# Subframe timbers

## Deck Joists



SIZE	DESCRIPTION	2.4m	3.0m	3.6m	4.2m	4.8m	5.4m	6.0m	Use Class
44 x 95mm	Multi-purpose <b>C24</b>			✓		✓			4
44 x 144mm	Multi-purpose <b>C24</b>			✓		✓			4

SIZE	DESCRIPTION	2.4m	3.0m	3.6m	4.2m	4.8m	5.4m	6.0m	Use Class
44 x 97mm	Kiln Dried <b>C16</b> Joist		✓	✓		✓			3
44 x 145mm	Kiln Dried <b>C16</b> Joist			✓	✓	✓			3
44 x 195mm	Kiln Dried <b>C16</b> Joist			✓	✓	✓			3
44 x 220mm	Kiln Dried <b>C16</b> Joist					✓			3
72 x 97mm	Kiln Dried <b>C16</b> Joist					✓			3

## Deck Support Posts

# Available strength graded to C16/C24.



Multi-purpose Post #  
85 x 85mm  
1.8m length  
2.4m length  
3.0m length  
Use Class 4



Timber-tite Heavy Duty Landscaping screws

## Deck Stair String

Stair strings are available in long random lengths and are special order items. Please check availability with the retailer



Stair string Use Class 3  
27 x 266mm  
Stair string Use Class 3  
33 x 266mm

## Deck Screening



Multi-Purpose screening comes in long lengths and can be cut to length as required to create privacy screening. It replaces Windsor privacy lattice (now withdrawn) as a more robust way of filling a gap under elevated decks, whilst maintaining essential ventilation to the subframe timber.



It is a very versatile product. The picture (left) shows it being used as deck balustrade with a simple wrap-over handrail that also serves as a privacy screen. **Q-Deck® Plus** 85 x 85mm Multi-Purpose posts should be placed at approximately 1200mm centres to support the screening (preferably no greater).



**NEW Q-Garden®**  
Multi-purpose screening  
Use Class 3  
27 x 69mm





# Wood - The Best Choice for Our Environment

**Timber is our most environmentally sound construction material.**

We source all our timbers from well managed and responsible suppliers who are committed to active replantation programmes in the forests they harvest.

For example, the European timber industry has overseen a steady expansion of Europe's forests over the past 60 years. Between 1990 and 2000 the European forest area grew by 30% and this growth continues, as around only 65% of the annual growth is harvested.

And by choosing wood we can all help reduce climate change through:

- Substitution for other less environmentally friendly materials.
- Storage of the carbon from the tree throughout the life of the timber product.
- Recovery of the stored energy at the end of the product's life.
- Regeneration of the forests, as timber use encourages replanting, which, in turn, takes more CO<sub>2</sub> from the atmosphere.

## Glossary of Terms

### Below the Subframe

**OVERSITE** Area under deck. Must be free draining or of a gradient at least 1 in 40 to allow water 'run-off'.

**FOOTING** A concrete pier that bears the weight of the deck.

**SUPPORT POST** A vertical support that sits on or in a footing. Use **Q-Deck®** Multi-purpose deck post material. (See page 22).

**BEAM** The main horizontal timbers of the deck (support the joists). Usually a pair attached to either side of the support post.

**JOIST** Multiple horizontal timbers that support the deck boards.

**MINI JOIST HANGER** Connects joists to beams so both top edges are flush.

**LEDGER BOARD** Beam secured to building to support deck structure.

**STRUCTURAL FITTING / BOLT** A long substantial bolt or screw for fastening subframe elements and newel post.

**NOGGINS** Short pieces of timber, fitting between joists for rigidity.

**WEED BARRIER** A rot proof fabric laid on oversite. It allows drainage while minimising weed growth. Covering it with a layer of pea shingle maximises its performance and longevity.

## Glossary of Terms

### Above the Subframe

**DECKING** The floorboards or deck boards.

**NEWEL POST** Vertical post that supports balustrading.

**BALUSTRADING** Vertical railing secured between newel posts as a feature or barrier.

**BALUSTER** Vertical railing otherwise known as a spindle.

**HAND RAIL** Top rail section of balustrade.

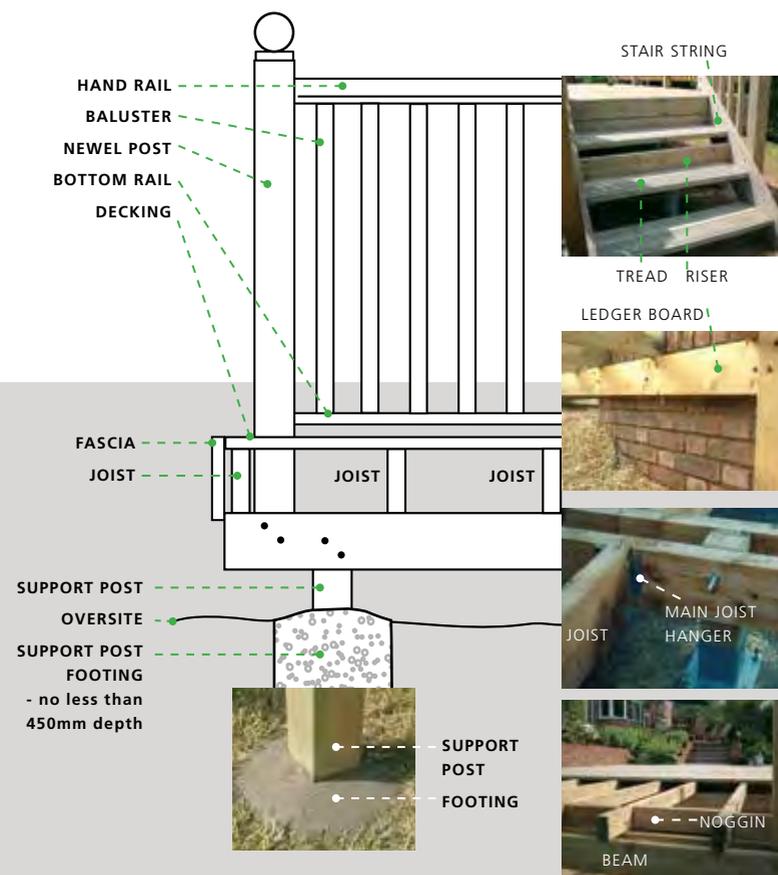
**BALUSTER RAIL** Top and bottom rail sections of balustrade to which spindles are fixed.

**STAIR STRING** An inclined member that supports a stairway tread.

**RISER** A vertical board attached to the front of a step between treads.

**TREAD** The horizontal face of each step.

**FASCIA** Deck boards attached vertically to outer subframe for tidy appearance.



### USE CLASSES

The level of preservative treatment is varied according to the Use Class situation the timber is exposed to during its service life. Generally, a greater degree of protection is required as the Use Class increases. See page 50 for further details.



## Before You Start Planning



For more detailed information on planning your deck also see our downloadable planning guide on our website - [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

Select the location of your deck carefully, having regard for privacy and sun, shade or wind. Decks built in highly shaded positions will require more regular maintenance, particularly when situated under well established trees ie. leaf litter and possible sap/resin emission.

Consider the nature of exit and entry to the home.

Keep the size of the deck in proportion to your home and garden. In England new planning rules now apply to the size of decks in relation to the existing property or garden. For example, surfaces including decking are not permitted to cover more than 50% of a property's garden.

For all but a simple, ground level/patio style deck (see page 36 for a description), property owners should satisfy themselves as to whether planning regulations apply to their proposed structure. Since 1st October 2008, planning permission is now required where a deck platform is more than 300mm (1ft) from the ground.

If unsure the property owner should always first discuss their intentions with their neighbours and the Local Authority planning office.

Consider the end use of your deck when planning the sub-frame design. You may need commercial specifications for large groups of people.

Where there is a higher than normal requirement to prevent the risk of slipperiness, for example on ramps, stairs, bridges or on public/commercial installations, then you need to consider **Q-Grip**® decking products that have enhanced grip characteristics or **Twinson**® composite decking that is easier to keep clean.

The height of the balusters and handrail depends on how far the deck surface is off the ground. For 'low-level' decks up to 600mm from ground level, the height should be 900mm. For 'high-level' decks over 600mm high, the height should be 1100mm.

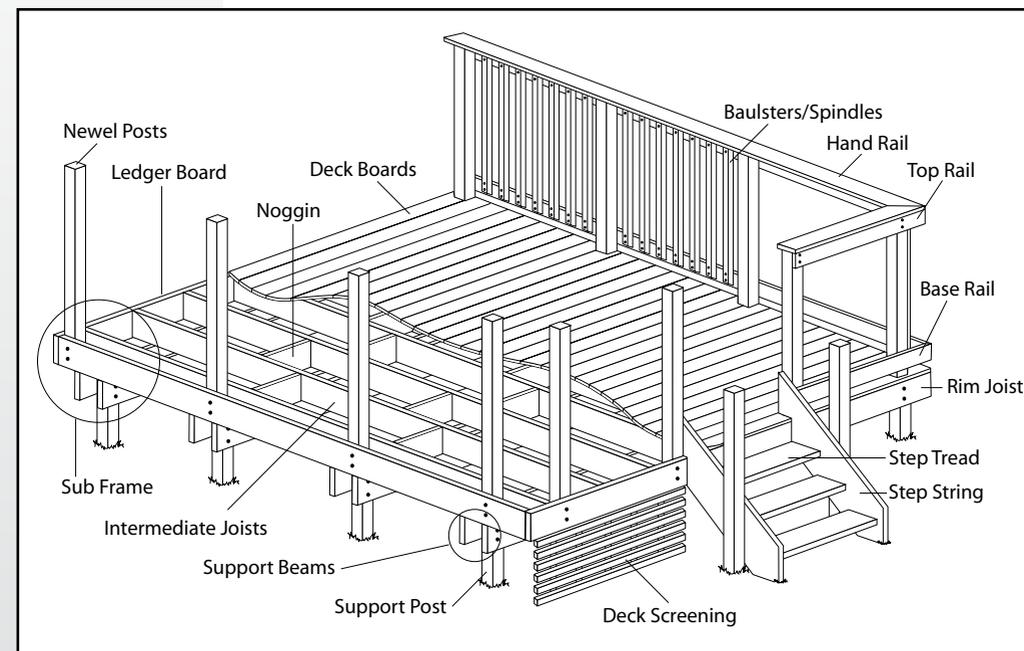
The **Q-Deck**® Plus glass balustrade system is suitable for outdoor use in situations where the fall on the outside of an enclosed area is not more than 600mm high (according to BS 6399 Building Regulation requirements).

Detailed planning and designing instructions are available as a separate document, downloadable from our website: [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

## When Designing...

Be sure to use/specify components of the correct Use Class (see glossary on pages 26 and 27 for an explanation of this term and further information on page 50) having carefully considered the situation each component will be used in.

NOTE: That a condition of the **Q-Deck**® warranty excludes the use of non **Q-Deck**® sub-frame components (for further details refer to page 54).



Choose the direction you wish to lay the deck boards - this will establish joist direction.



Please note: Laying deck boards in Checkboard and Quadrant can hinder drainage and will require more regular maintenance.

Deck boards with smaller cross sections need more joists and greater support.



### Joist Spacing (centres)

#### Joist and Deck Board Spacing Guidance

The table opposite shows figures for domestic applications (uniformly distributed load 1.5kN/m<sup>2</sup>) and commercial applications (uniformly distributed load 4.0kN/m<sup>2</sup>).

Dimensions stated represent the maximum length of unsupported joists (ie. between beams or slab etc).

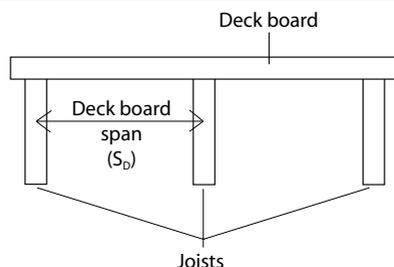
Please note: Decking laid at a 45° angle will require a reduction of joist spacing centres of 30%.

#### Maximum joist support centres for Q-Deck® deck boards

Deck board size (mm)	Joist centres (mm) for C16 grade joists - S <sub>D</sub>		Description
	1.5kN/m <sup>2</sup> - Domestic	4.0kN/m <sup>2</sup> - Commercial	
21 x 90	400	250	Lyptus
20.5 x 95	250	-	Cambridge
21 x 145	600	400	Garapa
26 x 117	500	300	Lunawood
27 x 144	500	400	Winchester, Canterbury
33 x 120	600	500	York

#### Maximum support centres for Q-Deck® Twinson® deck boards

Deck board size (mm)	Joist centres (mm) for C16 grade joists - S <sub>D</sub>	
	1.5kN/m <sup>2</sup> - Domestic	4.0kN/m <sup>2</sup> - Commercial
28 x 140	500	350



### Beam Span Guidance

We recommend beams are constructed from two 44 x 145mm Q-Deck® deck joists and are placed at maximum centres of 1.8m. In this instance the maximum span between deck post centres is **2.07m** (C16) or **2.24m** (C24) as highlighted in the table on the opposite page.

Beam (created using pair of deck joists)

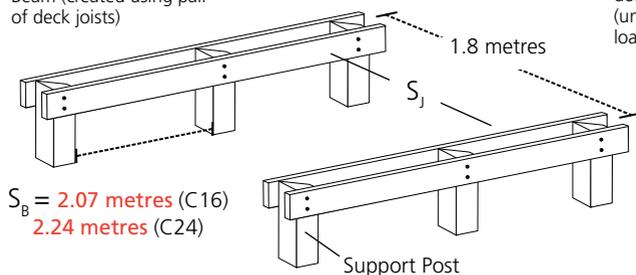


Diagram opposite shows figures for domestic applications (uniformly distributed load 1.5kN/m<sup>2</sup>).

S<sub>B</sub> = **2.07 metres** (C16)  
**2.24 metres** (C24)

### Joist and Beam Span Tables C16

#### Strength Grading

For decks 600mm or more above ground level, support posts should be of strength graded material. If you need strength graded components please consult your Q-Deck® retailer who will pass the enquiry onto Hoppings Softwood Products for consideration.

For more information you may call our decking free phone line on **0800 849 6339**.

Table A: Maximum joist spans - Strength Class C16

Joist section (mm)	Imposed load 1.5kN/m <sup>2</sup> Joist centres (mm)			Imposed load 4.0 kN/m <sup>2</sup> Joist centres (mm)		
	400	500	600	400	500	600
width depth	Maximum clear joist span S <sub>J</sub> (metres) (see page 30)					
45/47 x 97	2.00	1.86	1.75	1.47	1.33	1.22
45/47 x 122	2.51	2.33	2.20	1.85	1.66	1.51
45/47 x 147	3.02	2.81	2.64	2.20	1.97	1.80
45/47 x 170	3.49	3.24	3.05	2.52	2.26	2.07
45/47 x 195	4.00	3.71	3.50	2.87	2.57	2.35
45/47 x 220	4.20	4.18	3.94	3.21	2.88	2.63

Imposed loads 1.5kN/m<sup>2</sup> - domestic applications (single occupancy) 4.0kN/m<sup>2</sup> - commercial applications (dining areas, cafes, restaurants, balconies)

Table B: Double member beam spans - Strength Class C16

Beam size (mm)	Imposed load 1.5kN/m <sup>2</sup> Beam centres (mm)				Imposed load 4.0 kN/m <sup>2</sup> Beam centres (mm)			
	1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
width depth	Maximum clear beam span S <sub>B</sub> (metres) (see page 30)							
2 x 45/47 122	1.99	1.72	1.55	1.43	1.45	1.22	1.05	-
2 x 45/47 147	2.39	2.07	1.87	1.73	1.74	1.46	1.25	1.02
2 x 45/47 170	2.76	2.40	2.16	1.99	2.02	1.67	1.44	1.18
2 x 45/47 195	3.16	2.75	2.48	2.29	2.31	1.90	1.64	1.35
2 x 45/47 220	3.56	3.10	2.80	2.58	2.61	2.13	1.83	1.53

### C24

Table A: Maximum joist spans - Strength Class C24

Joist section (mm)	Imposed load 1.5kN/m <sup>2</sup> Joist centres (mm)			Imposed load 4.0 kN/m <sup>2</sup> Joist centres (mm)		
	400	500	600	400	500	600
width depth	Maximum clear joist span S <sub>J</sub> (metres) (see page 30)					
45/47 x 97	2.15	1.99	1.87	1.58	1.47	1.38
45/47 x 147	3.24	3.01	2.83	2.40	2.22	2.08

Imposed loads 1.5kN/m<sup>2</sup> - domestic applications (single occupancy) 4.0kN/m<sup>2</sup> - commercial applications (dining areas, cafes, restaurants, balconies)

Table B: Double member beam spans - Strength Class C24

Beam size (mm)	Imposed load 1.5kN/m <sup>2</sup> Beam centres (mm)				Imposed load 4.0 kN/m <sup>2</sup> Beam centres (mm)			
	1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
width depth	Maximum clear beam span S <sub>B</sub> (metres) (see page 30)							
2 x 45/47 147	2.57	2.24	2.02	1.86	1.88	1.62	1.37	1.09

## How many deckboards will I need?

m2	Lyptus 98mm cover	Cambridge 100mm cover	Q-Deck® Lunawood 123mm cover	York 125mm cover	Canterbury/Winchester 150mm cover	Garapa 153mm cover	Twinson 146mm cover
1	10.2m	10m	8.1m	8m	6.7m	6.6m	6.85m
2	20.4m	20m	16.2m	16m	13.4m	13.2m	13.7m
3	30.6m	30m	24.3m	24m	20.1m	19.8m	20.6m
4	40.8m	40m	32.4m	32m	26.8m	26.4m	27.4m
5	51.0m	50m	40.5m	40m	33.5m	33m	34.2m
10	102.0m	100m	81m	80m	67m	66m	68.5m
15	153.0m	150m	121.5m	120m	100.5m	99m	102.8m
20	204.0m	200m	162m	160m	134m	132m	137.0m

Please note:  
The table above is the minimum quantity requirement. It is suggested that you add 10% to these figures to allow for cutting or patterned layouts.

When designing a deck to incorporate **Q-Grip® Strips™** it is important to consider the direction people will walk when using the deck. **Q-Grip®** deck boards are most effective in providing slip resistance when they are placed at an angle perpendicular (at right angles to) to the direction of pedestrian traffic (like that of a boardwalk).

See figure (i). When placed parallel to the direction of pedestrian traffic the chance of slipping increases i.e. a slip could occur between the slip resistant aggregate strips within a board or within adjacent boards. See figure (ii).

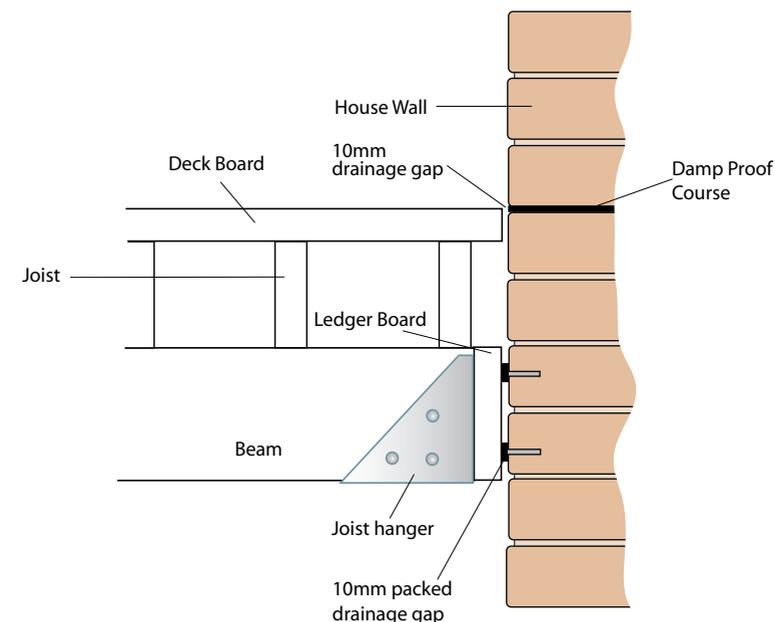
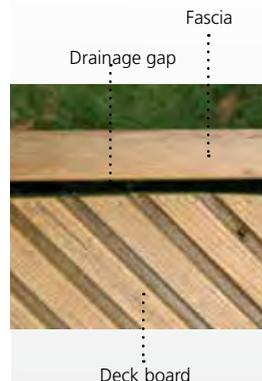


Fig (i) Boards placed at right angles to pedestrian traffic.



Fig (ii) Boards parallel to pedestrian traffic.

A way of minimising the distance between the aggregate strips that provide the enhanced grip is to consider the use of new **Q-Grip® Strips™** and **Q-Deck® York** deckboards. Please refer to the product pages 9-10 for further details.



When designing and building decks, always plan to achieve a free draining structure. For adequate water 'run off' decks should be laid on a slight gradient (1 in 80). Note: lay grooved decking down the fall to enable water 'run off' and ensure the groove ends can drain freely, ie. pack out fascia if required.

If the deck is attached to a dwelling wall the finished deck height should not compromise the damp proof course (DPC). With 'old' houses it is advisable to keep the deck height at least two brick courses below DPC.

Maximum slip resistance using 5 **Q-Grip® Strips™** in **Q-Deck® York**.

## Top Tips

All cut ends and notches made to the timber components must be protected with a suitable brush-on end grain preservative (eg. Ensele®/Ronseal® end grain preserver/Hickson Decor® end grain preservative) to maintain the integrity of the preservative treatment.

Where possible Use Class 4 components should not be cut, notched or bored if they are then to be used in ground contact. If Use Class 4 deck support posts are cut then the cut end should not be placed in the ground. If Use Class 4 deck joists for ground level or partially elevated decks are cut then they should be laid on a free draining area of compacted hardcore (or similar) not straight onto earth or areas of lawn. Subframes that are laid in direct contact with earth are at increased risk of fungal decay and subsistence. See the Planning & Design pdf guide for further details.

Preservative pre-treated deck boards should be surface dry and laid with no less than a 6mm gap between boards (this allows for seasonal shrinkage or swelling). See specific advice for **Q-Deck®** Lunawood on page 39 and **Q-Deck®** hardwood on page 40. Maintain this gap when fitting boards around newel posts for a neat finish whilst still allowing water 'run off'.

It is advisable to loosely lay components, ie. in particular deck boards, out on the finished sub frame prior to securing them. The longer they are left to become surface dry the less the effects of shrinkage will be apparent after fixing them. The timber can also be cut and sanded more easily when dry. Note: If the boards are allowed to fully dry out prior to fitting, the gap between boards should be increased to 9mm to allow subsequent expansion in the wetter seasons.

If you need to attach a ledger board to the wall of a dwelling it is advisable to leave a gap between them - use 10mm thick spacer/packer. This will maintain ventilation and enable the wall and ledger to dry.

Bevel the top of the concrete footing around the support posts to aid water 'run off'.

Cut the top of the support post at an angle to aid water 'run off'.

Fix boards with corrosion resistant screws, or for the very best results use stainless steel screws (2 screws 15-20% of its width in from each edge of the board). Structural fixtures and fittings should be specially coated or of hot dipped galvanised material - see page 35 opposite.

It is advisable to pre-drill pilot holes near the end of boards to avoid splitting.

Deck board screw length should be 2½ times the thickness of the deck board.

For maximising its life it is advisable to cover fabric weed membrane with pea shingle.

NOTE: Undertaking the actions of the first 7 tips above will help minimise the risk of fungal infection and thus simplify a potential warranty claim.



## Fixings

**Timber-Tite®**

**Deck-Tite Plus®**

**Clad-Tite®**

**Tongue-Tite Plus®**

*Always follow the manufacturer's instructions when working with deck fixings.*



**Q-Deck®** Plus Timber-Tite heavy duty landscaping screws.



**Q-Deck®** Tite Plus stainless steel decking screws.



**Q-Clad®** Tite stainless steel annular ring shank cladding nail.



**Q-Clad®** Tongue Tite Plus stainless steel cladding screws.

All **Q-Deck®** products should be fixed or secured using recognised quality products. We recommend the use of screws to fix deck boards and bolts or structural screws to secure newel posts or structural elements of the deck. The raw material and the type of coating used to protect these from corrosion is vital. **This is why Hoppings recommend stainless steel fixings for the best results.**

If galvanised fixings are used they should be of the hot dipped variety to help avoid corrosion.

We do not recommend the use of pneumatic nail guns to secure decking boards.

## Safety First

- ✓ When handling and processing treated timber always wear gloves and eye protection and work in a well ventilated area.
- ✓ Wash hands thoroughly after handling treated timber and especially before eating or smoking.
- ✓ Do not burn timber off-cuts. Dispose of them safely as refuse. Treated timber contains chemical preservatives.
- ✓ When constructing pergolas keep the surrounding area clear of people until the structure is fully secure.
- ✓ Wear goggles when pressure washing or scrubbing with chemical cleaners or restorers.
- ✓ Keep children away from the work area until the job has been completed and tools have been stored safely.
- ✓ A Treated Timber User Guide for TANALISED® E /TANALISED® EXTRA treated timber covering its general use is available from Lonza Wood Protection - [www.lonzawood.com](http://www.lonzawood.com).
- ✓ The grinding and cutting of **Q-Grip®** products may produce dust and loose flying particles and we strongly recommend that personnel carrying out these tasks wear suitable Personal Protective Equipment including gloves, eye protection, particulate dust mask and ear defenders.

# 4 Subframe Examples



Detailed installation instructions are available as a separate document, downloadable from our website: [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

## 1 PATIO STYLE/GROUND LEVEL DECK raft construction *garden area that drains well.*

Remove turf and 100mm minimum of topsoil where deck is to be positioned. Position a minimum of 2 deck support posts in footings to act as frame anchors.

Replace topsoil with compacted down gravel or hardcore.

Lay weed barrier.

Lay Use Class 4 subframe allowing for 50mm drainage gap all round and attach to post anchors.

Backfill around frame with gravel or pea shingle.

*Now fit newels or just deck boards if balustrading is not required.*



## 2 LOW LEVEL DECK post and beam construction *limited final deck height*

Deck support posts are either supported in 'stand-off' proprietary bracket (on footing) or supported in a footing. Joists are attached to beams using mini joist hangers.

*Now fit newels or just deck boards if balustrading is not required.*



## 3 ELEVATED DECK post and beam construction *for sloping sites, multi-tier decks or simply where final deck height is not an issue.*



Lateral bracing of the beams may be necessary.

*Now fit newels or just deck boards if balustrading is not required.*



## 4 DECK OVER EXISTING PATIO *on existing structurally sound concrete slab*

*ie. 100mm slab on top of 100mm compact hardcore.*

In this instance 72mm thick beams are supported off the slab using strong angle brackets and durable packing pieces. (45mm thick Use Class 4 joists could also be used for this purpose).

*Now fit newels or just deck boards if balustrading is not required.*



## Fitting Newels



If balustrading is planned, fit your newel posts before laying decking.

Note: At this point the type of balustrade system chosen will govern the required newel height above the deck (see fitting balustrades, pages 44-47).

Double beam construction using **Q-Deck® Plus** Multi-purpose posts provides the ideal newel post housing.

Secure using suitable bolts or landscape screws in 2 or 3 directions for best results.

## Fitting Deck Boards

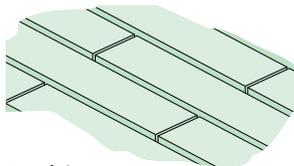


Refer to top 10 tips on page 34.

Laying in patterns or at a 45° angle efficiently utilises any length purchased.

It is a good idea to overlap the subframe and cut to desired length in a straight line or curve, if required.

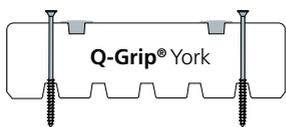
If deck boards need to be joined, butt them end to end but take care to stagger the joints so they don't align from row to row.



## Cutting Q-Grip® York & Canterbury Decking

The slip resistant aggregates used for the wearing course are extremely hard and they will blunt most wood cutting blades after 5 or 6 cuts. Avoid trying to cut the product in one go and cut in two stages as follows:

- 1 Score through the strips first using a grinder with a diamond blade or stone cutting disc. The scored groove should be wide enough to accept the blade used in step 2. Avoid grinding too deep as this will scorch the timber.
- 2 Cut through the remaining timber using a conventional wood cutting blade. Ensure the blade is correctly aligned before cutting and use suitable guides and clamps to prevent the blade from striking the aggregate either side of the scored groove.



When laying **Q-Grip®** decking it is advisable to keep things simple and orientate the boards at either 90° or 45° angles to the supporting joists to minimise cutting. It is advisable to carefully establish and cut each **Q-Grip®** board to length before fitting.



Detailed fitting instructions for **Q-Grip®** decking are available as a separate document, downloadable from our website:  
[www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)



## Fitting Q-Deck® Lunawood Hidden Fix Decking

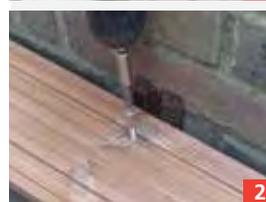
The general principles as detailed in the **Q-Deck®** deck planning and design guide also apply to **Q-Deck® Lunawood** decking. The hidden fix profile decking allows you to use the quick and easy to use **Q-Deck® Lunawood** concealed clips and provides a fixing free look. Alternatively you can use two 4.5 x 50mm **Q-Deck-Tite Plus** stainless steel deck screws at each joist junction in the grooves provided but pre-drilling pilot holes is recommended to avoid splitting the boards.

- Fit 26 x 117mm **Q-Deck® Lunawood** over joists set at 500mm centres, maximum. For commercial applications, in principle reduce to 300mm centres but please consult **Q-Deck®** directly on 0800 849 6339 for further advice on a project by project basis.
- Leave 6mm gaps between adjacent boards when fitting either **Q-Deck® Lunawood** with deck screws.
- When using the concealed clips the lead edge of the first board should be fixed using one stainless deck screw at every joist junction through the groove provided (Figures 1 & 2).
- On the opposite side of the first board fix the first line of **Q-Deck® Lunawood** concealed decking clips at every joist junction taking care not to over-tighten them (Figure 3).
- Cut the next board to the required length and then carefully butt it up against the first line of concealed clips. Align the board in its length and then fit a second line of clips at every joist junction. You will find that minimal pressure is required to locate each board as the clips pinch them into place as the screw is tightened into the clip. Again take care not to over-tighten each screw. Continue the process for all subsequent boards until you reach the last one that is fitted as the first detailed above.
- If required you can now strategically fit **Q-Grip® Strips** to the boards specially profiled grooves, as detailed on pages 41 and 42.

It is not a requirement of the **Q-Deck® Lunawood** 20 year Warranty but highly recommended, is the use of a non-film forming penetrative protective coating. **But, please note:** New thermowood products cannot be effectively coated without first opening the pores of the wood, by either applying special chemicals, or naturally, by leaving it to weather outdoors in situation for at least 12 months. The use of Prepdeck followed by Net Trol by Owatrol on new thermowood products or the use of just Net Trol on suitably weathered thermowood products enables the effective application of either Aquadecks or Protect by Owatrol. These non-film forming penetrative systems help protect against the greying effects of U.V. light whilst preserving the appearance of the wood. These systems when used correctly should create a matt finish. The darker the colour the more the natural appearance of the wood is obscured.



1



2



3



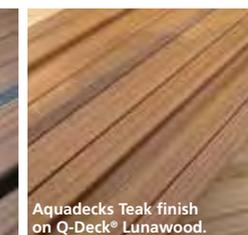
4



5



Q-Grip® Strips fitted to Q-Deck® Lunawood deckboards.



Aquadecks Teak finish on Q-Deck® Lunawood.



Coating weathered Q-Deck® Lunawood with Aquadecks Teak.



## Fitting Q-Deck® Garapa/Lyptus Hardwood Deckboards

- Fit **Q-Deck® Garapa/Lyptus** over joists set at 600/400mm centres respectively, maximum.
- Leave 8mm gaps between adjacent boards when fitting **Q-Deck® Garapa/Lyptus**. Being a kiln dried hardwood means you have to allow for some expansion of the boards during wetter times of the year.
- It is important to pre-drill pilot holes and countersink before fitting screws to reduce the chance of splitting these timbers, especially near the ends of boards.
- Use a minimum of two 50mm stainless steel screws per board at every joist junction. Use 4.5 x 50mm **Q-Deck®-Tite Plus Stainless Steel Decking Screws**.



4.5 x 50mm Q-Deck®-Tite Plus Stainless Steel Decking Screws.

Note: Like all hardwood decking **Q-Deck® Garapa/Lyptus** weathers to grey after exposure to U.V light. **Q-Deck® Garapa/Lyptus** is also highly susceptible to staining in contact with iron due to the high levels of tannin present, so it is advisable to only use stainless steel fixings. The black staining that can occur is easily removed using Net Trol by Owatrol.

Over time the tannin can be washed out of **Q-Deck® Garapa/Lyptus**. Please note that the fabric of a building or associated landscaping products could become stained by mobile tannin.

This washing effect is more likely to occur during prolonged heavy rain and be most concentrated in the period just after fitting your **Q-Deck® Hardwood** deck. To minimise tannin bleed, new hardwood decking can be coated with Owatrol's Stoptan product.

For more information about care and maintenance of **Q-Deck® Hardwood** decking see pages 52-53.

**Q-Deck® Garapa** deckboards are not as straight as other deckboards in the **Q-Deck®** range; however any distortion is normally easily corrected when fitting them by applying pressure to bring them back into line.



Q-Deck® Lyptus finished with Deks Olje D1 decking oil.



Q-Deck® Garapa

## Fitting Q-Grip® Strip™

**Q-Grip® Strip™** can be retro-fitted to existing decks where the deckboards have become slippery or to certain specific **Q-Deck®** deckboards, ie. York and Canterbury **Q-Deck®** deckboards and **Q-Deck® Lunawood Hidden Fix** deckboards.

Note: To be able to effectively secure **Q-Grip® Strip™** it must be dry and of a temperature above 5°C. Ideally store at room temperature until just before fitting.

To fit the strips to the **Q-Deck®** deckboards detailed above:

Firstly ensure the grooves are clean, dry free of debris and that any original deck screws used to secure the deckboards in the first place are not sitting proud of the base of the groove. If so, tighten accordingly.

Then consider the area to be covered with **Q-Grip® Strips™** and cut them to length as required using a grinder with stone cutting disc. It is best to place the **Q-Grip® Strip™** flat side down on some scrap wood to do this (see image opposite).

- 1 Apply one continuous (centrally located in the groove to be filled) 4-6mm maximum bead of a suitable gap filling adhesive that also has the properties of an external use sealant i.e. flexible and both water and U.V. resistant. You may consider the use of a sealant/adhesive called 'theWORKS' by Geocel® in grey or Sikaflex EBT or 11FC+ by Sika Ltd in grey. Always follow the adhesive manufacturers instructions. For up to date information please download our **Q-Grip®** literature via [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk) or call our **Q-Deck®** hotline on **0800 849 639**.

- 2 Check for any surface contaminants on the reverse of each **Q-Grip® Strips™** then carefully place the **Q-Grip® Strips™** in the desired position and gently apply downward pressure to 'pinch' it into place along its length using a rubber headed mallet. This action will force the adhesive to fill the voids between the edges of the groove and the back of the specially profiled **Q-Grip® Strips™**.

- 3 If you need to butt **Q-Grip® Strips™** end to end then apply slightly more adhesive at this position and carefully wipe away excess adhesive that forces up between the joint sealing the gap in the process.

Note: If an end of a **Q-Grip® Strips™** doesn't 'pinch' sufficiently to allow it to be secured flush with the top of the groove, it is advisable to gently and temporarily secure it with a 4mm gauge 12-25mm long screw. You will need to pre-drill a pilot hole though the **Q-Grip® Strips™** using a small diameter masonry drill bit (we advise no greater than 3mm). Once the adhesive has cured and created a suitable bond remove the screw and carefully fill and seal the hole it accommodated with more adhesive/sealant (see image 4 overleaf).



Cutting Q-Grip® Strips™.



1



2



3





To fit the strips to an existing deck the same process applies as detailed in points 1-3 on previous page (if applicable), after you have created your own 5 x 8mm grooves using a hand held router.

Note: On hardwood decks this grooving process will not affect any existing warranties that may be in place but we advise that you confirm this with the original supplier. When grooving existing softwood decks it is likely that any existing warranties that may be in place will be invalidated and we advise that you confirm this with the original supplier. This is the case for any **Q-Deck®** decking not designed to accept **Q-Grip® Strips™**.



**Q-Deck® Canterbury** - accepts 2 **Q-Grip® Strips™**.  
**Q-Deck® York** - accepts up to 5 **Q-Grip® Strips™**.  
**Q-Deck® Lunawood** - Hidden Fix profile - accepts 2 **Q-Grip® Strips™**.

## Creating a border

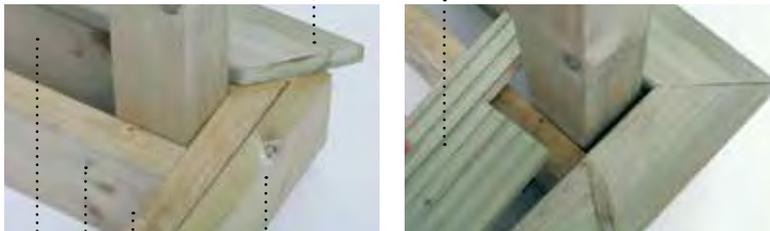


Creating a border around the edge of the deck and incorporating fascia boards provides an attractive finish.

The smooth face of **Q-Deck®** Cambridge decking or Multi-purpose material is particularly good for use as fascias.

Consider using **Q-Grip®** slip resistant decking or **Q-Grip® Strips™** in conjunction with **Q-Deck®** York/Canterbury/Lunawood Hidden Fix boards to give a border/lead edge with enhanced grip characteristics.

27 x 95 Multi-purpose as border    Winchester deck board



145mm deck joist    33 x 120mm Multi-purpose as fascia



## Fitting Advice for Q-Deck® Twinson® Composite Decking System

Visit [www.qualitydecking.co.uk/technical.php](http://www.qualitydecking.co.uk/technical.php) for detailed fitting advice. Here is a quick pictorial guide....

**Q-Deck®** Twinson® decking can be fitted to a standard timber deck sub-frame and a selection of aluminium Twinson® components (see page 18).

For flat and uniform surfaces (roof terraces and the like) the Twinson® ground batten is an alternative option.

Note: The maximum distance between joist centres is 500mm for most applications. This must be reduced to 350mm centres for commercial applications.

The Twinson® clip ensures a 6mm gap between boards. It is advisable to maintain this expansion gap between joints such as mitres, around newels. Twinson® unlike wood expands along its length, so in certain applications a greater expansion gap may be required, ie. allow a 20mm gap when fitting boards length ways on/perpendicular to a solid structure (eg. wall). As a general rule, for decks that are fitted in the UK there is the potential for Twinson® decking to expand by up to 4mm per lineal metre. Therefore using short lengths of the material minimises the expansion effects. For decks larger than 6.0m it is recommended that boards are laid no longer than 3.0m.

In summary Twinson® changes in size over time and as long as the product is properly installed to allow for expansion and to ensure it drains (and therefore dries) sufficiently quickly after rain, the physical affects of swelling shouldn't be noticed.

**It is advisable to let Twinson® acclimatise on site for a few days prior to fitting.**

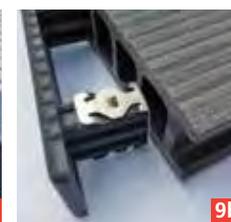
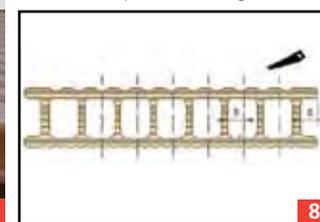
For information on timber sub-frame construction please refer to pages 29-31.

Please note: Hollow core composite decking products are by their composition less resistant to impact loads when compared to solid timber decking. This can be particularly relevant when accepting delivery and building your deck i.e. handle and store it with a little more care than you would with solid timber decking.



Central screw, expansion left and right.

Screw at end, expansion all to right.



Twinson® F Section with Twinson® Plinth under

# Steps and Stairs



Step frame set on compacted hardcore and weed barrier.



Steps can be created by extending different levels of sub frame.

You can create stairs using the **Q-Deck® Plus** Multi-purpose range of products. However, it is advisable to seek the skills of an experienced tradesman.

**Q-Grip®** products suit use on steps and stairs. In particular new **Q-Grip® Strip™** used in conjunction with **Q-Deck® York/Canterbury/Lunawood** Hidden Fix boards provide a quick and adaptable solution when applied to the outer grooves of the board and step edge.



Detailed installation instructions are available as a separate document, downloadable from our website: [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)



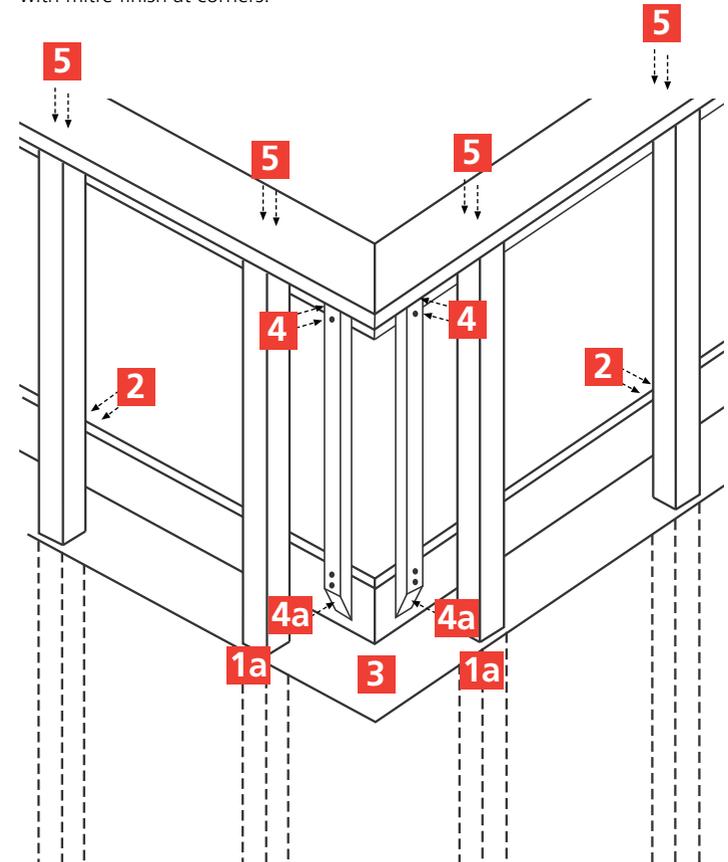
27 x 69 x 970mm flat chamfered spindle

# Using the Multi-purpose Products

These can provide an easier, more solid construction option. Hand rail heights of 1100mm are easily achieved for high level decks.

Please note that you will have to cut components to the desired length when using any products from the **Q-Deck® Plus** Multi-purpose range.

- 1 Fit Multi-purpose, 85 x 85mm newel at required positions and height. Note: 1a corner newels are offset.
- 2 Cut and fit Multi-purpose 27 x 95mm top and bottom baluster rails to the newels.
- 3 Mitre finish at corners.
- 4 Cut Multi-purpose, 33 x 33mm balusters to desired length (4a chamfer for a neat finish). Alternatively use our new 27mm x 69mm x 970mm flat chamfered spindle. Measure, space and fit to the top and bottom rail ideally using 2 screws at the top.
- 5 Cut and fit Multi-purpose 33 x 120mm handrail to top of newels and top rail, with mitre finish at corners.



# Fitting Balustrades

## Ready Made Sections

**Q-Deck® Plus** makes balustrading easy by offering ready-made 1800mm long sections of balustrade, complete with handrail.

All you have to do is fit the sections between correctly pre-spaced newel or pergola posts and screw them into position using **Q-Deck-Tite** handrail bracket kits. Sections can also be cut to fit narrower gaps between newel posts.

### BALUSTRADE GUIDANCE

No opening is permitted greater than 100mm. Therefore, spindles need to be spaced at approximate 120mm centres. Allow 8 spindles every metre of handrail. For decks more than 600mm above ground level it is necessary to achieve a balustrade height of at least 1100mm.

NB There is a 10mm height difference between the ready-made balustrade and the loose component built version..



Classic balustrade



Contemporary balustrade



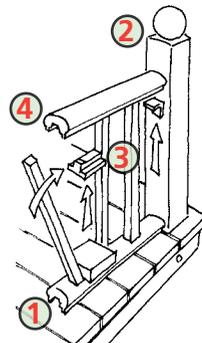
Colonial balustrade



Stop Chamfered balustrade

## ... or using loose components

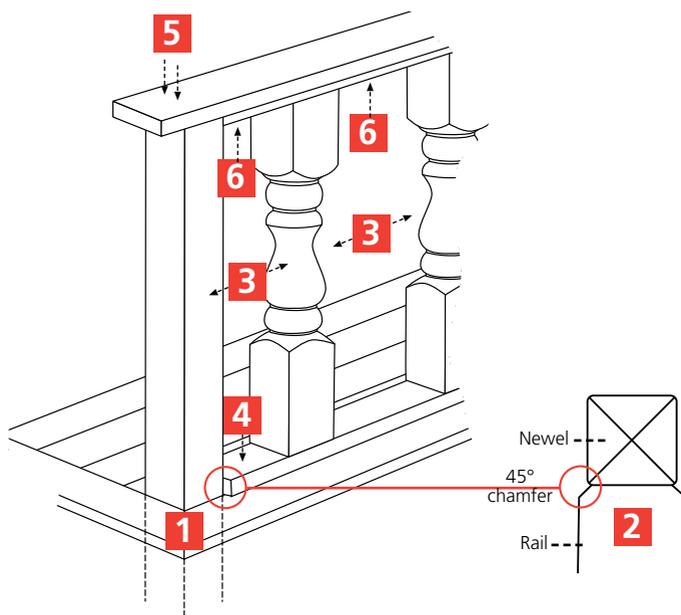
- 1 Fit bottom universal rail between newel posts.
- 2 Use more universal rail as handrail and fit at approx. 900mm high using **Q-Deck-Tite** handrail bracket kit.
- 3 Cut a piece of spacing infill and fit to the underside of the handrail. Using a guide spacer at lower end, slide spindle **4** into the vertical position against the infill. Fix at the top and bottom with screws. Repeat for each spindle.



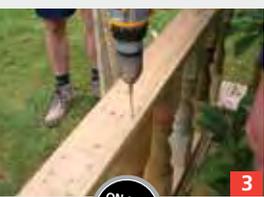
**Q-Deck-Tite** handrail bracket.

## Using Grecian Columns

Grecian columns can be used with Multi-purpose boards and rails to create more robust looking balustrades which are low enough for you to appreciate/achieve an uninterrupted view of your garden.



- 1 If required fit 85 x 85mm Multi-purpose post material to the subframe as newel posts. The tops of the newel posts should be 555mm above the deck.
- 2 Measure distance between newels and cut Multi-purpose 27 x 95mm baluster rails to suit. Chamfer the corners of the baluster rails to give a neat finish with the face of the newels.
- 3 Space to suit and fit columns as shown to top and bottom baluster rails.
- 4 Fit column assembly to deck between newels.
- 5 Measure, cut and fit Multi-purpose, 33 x 120mm handrail to top of newels.
- 6 Secure assembly to handrail from underneath as shown in the diagram. Take care with length of screw (max 50mm).



FOR A NEW LOOK YOU COULD REPLACE YOUR EXISTING BALUSTRADES

## Aluminium Powder Coated Balusters

Decorators™ make balustrading easy by offering simple connection systems including fittings.

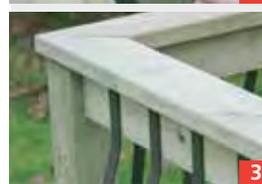
Q-Deck® stockists can supply Baroque balusters.

- 1 Measure distance between newels, cut and fit 44 x 95mm baluster rails to the newels approximately 640mm apart allowing for the top of the baluster to be positioned flush with the top rail and short of the lower edge of the bottom rail by approximately 10mm. (Bottom rail should be no more than 100mm above the deck surface). Use new **Q-Deck-Tite** handrail bracket kit for a neat fit.
- 2 Calculate spacing of the balusters. At 120mm centres 8 balusters are required per metre run of balustrading. Then fit to the outer face of the top and bottom baluster rails using the screws provided. Using a spacer will help achieve a consistent looking gap.
- 3 Measure, cut and fit handrail to the top of the newels, with a mitre finish at corners.

Or...

- 4 If using Colonial, Classic, Contemporary or Stop Chamfered **Q-Deck®** newels (may be existing). Measure, cut, chamfer and fit Multi-purpose 27 x 95mm handrail to the top baluster rail. The chamfer cuts will create a neat finish to the newel.

Note: the balustrade is always capped with a wide flat handrail.



Decorators Baroque Balusters.

Contemporary Newel and Decorators Baroque Balusters.



## Domestic Case Study

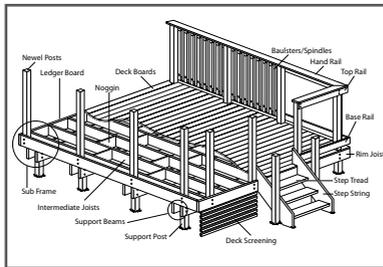
The following series of photographs shows a typical construction of an elevated deck over a sloping site.



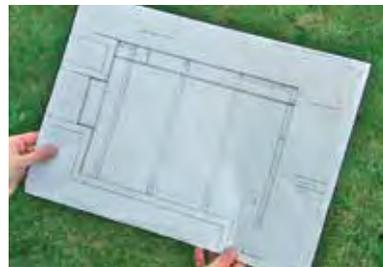
Checking the deck location....



....consider existing features....



....working out a design....



....creating a detailed plan....



....building the support beams....



....ledger board fixed to existing wall....



....ledger board fixed to existing steps....



....joist fixed over the beams....

## Domestic Case Study

The full construction of this deck is featured on the **Q-Deck®** 'How to Build a Deck' online video.



....fixing the newel posts....



....completed subframe....



....fixing the first deckboards....



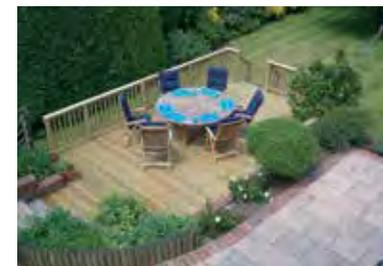
....fixing the deckboards throughout the deck....



....fixing the handrails and base rails....



....fixing the balustrades....



....the completed deck....



....time to relax....



# Technical Information

## Wood - One of Nature's Wonder Products

Timber is still one of our most attractive, versatile and dependable construction materials, with performance and environmental credentials to match any man-made alternative. In its natural state it is a plant and as such helps generate the very air we breathe. And as a natural product it is subject to considerable variation - in colour, grain and character. Variations of this sort are to be expected and do not inherently affect the quality of the end product.

## Incompatibility Issues

Take care not to allow uncoated iron products or parts of originally coated iron products to come in contact with **Q-Deck®/ Q-Grip® /Q-Deck®** hardwood components. Ferrous substances may react with the preservative treatment within the timber and cause unsightly black staining of the surfaces, that may prove difficult to remove. So in particular, it is worth considering if the filing or grinding of metal products needs to be performed near to or over the deck. If possible avoid doing this near decks but if this is not practical then the deck surfaces should be carefully protected/covered to enable capture and disposal of the iron particles.

In very hot weather pine resin can rise to the surface of **Q-Deck®** products and dark stains/coatings can exacerbate this. In the unlikely event this occurs, wait for the resin to form a crust and scrape away; repeat if necessary.

## Size Issues

Wood swells when it is pressure pre-treated with a waterbased preservative - as much as 4% of the finished size after machining - and shrinks as it dries which may vary from piece to piece. This can be evident when butting deck boards end to end. We therefore advise letting the deck boards, in particular, dry somewhat before fitting. This not only helps to achieve a more constant size but improves their workability. Although minimised by the water repellent additive used with **Q-Deck®** products, climatic changes cause the wood to continually shrink and swell in service and in turn this movement may vary from piece to piece.

Preservative Protection - Consider the component's end use:

### Use Classes (UC)

Use Classes are defined by British and European Standards, providing a guide to the risk of decay or insect attack to timber components, depending upon their end use. The higher the Use Class, the higher the level of preservative protection is required.

**Q-Deck®** and **Q-Deck® Plus** components are treated to Use Class 3, with certain ground contact components treated to Use Class 4. Where components are to be used in ground contact we strongly advise the use of Use Class 4 treated timber.



USE CLASS	TYPICAL SITUATION
1	Internal building timbers with no risk of wetting or condensation.
2	Internal building timbers with a risk of wetting or condensation.
3	External building, fencing and landscaping timbers used out of ground contact.
4	External building, fencing and landscaping timbers used in ground contact.

## Slip Resistance

**Q-Grip®** deckboards are tested to BS 7976-2:2002, to provide a 'low potential for slip' in wet conditions, as advised by the UK Slip Resistant Group classifications.

## Testing (skid resistance)

Wet slip-resistance test results for TRP (type 55): **Q-Grip®** York, 75 pendulum test value; **Q-Grip®** Canterbury, 85 pendulum test value.



Hickson® Decor end grain preservative has a pale blue colouration which quickly changes to a pale green after application to blend with the treated timber.

Note: Take care when applying Hickson® Decor end grain preservative as it can temporarily stain the surface of decking components if not wiped off before it dries.



FOR FURTHER INFORMATION ON TANALISED® E/TANALISED® EXTRA TREATED TIMBER VISIT [WWW.LONZAWOOD.COM](http://WWW.LONZAWOOD.COM) OR CONTACT THE LONZA WOOD PROTECTION ADVISORY SERVICE - TELEPHONE 01977 714000

# Care and Maintenance

## What to Expect

Small surface splits can occur in all components during the warmer months. This happens as the timber dries and shrinks and is most prominent on larger section timbers such as **Q-Deck® Plus** 117 x 117mm grand newels. In the winter months the splits will tend to close as the timber swells. During the first year the colour of the deck will fade slightly and this will continue due to the 'greying' affects of U.V. light. For best results apply Seasonite by Owatrol immediately before or after fitting **Q-Deck®** preservative pre-treated decking.

Poorly designed, constructed, situated and maintained decks will increase the risk of colonisation by surface moulds (rather like internal plaster mould). Surface moulds do not affect the structural performance of a deck but if left to develop can cause a speckled black staining within the surface of the timber. If caught early this can be removed with a bathroom/kitchen scourer and proprietary deck cleaner.

## Clean

Even preservative pre-treated wood will not look its best after a long winter and a wet spring, so a little time spent cleaning will pay dividends for the summer months.

We would recommend that you sweep your deck regularly and hose it down when dirt accumulates. Allowing dirt and other organic matter such as leaf litter or soil to accumulate on your deck, increases the risk of both mould (as described above) and fungal infection. The organic matter may not only carry the source of fungal infection but may hinder drainage and provide the damp conditions that they need to survive. There are many effective cleaning agents available. Many are useful to remove algae growth which can occur and without cleaning this type of contamination can create a slip hazard. Cleaning your deck with a suitable deck cleaning agent and pressure washing at the beginning and end of the season is a recommended course of action.

A highly effective cleaning agent is Net-trol by Owatrol, a wood cleaner and colour restorer.

For the removal of previously applied oil finishes that have failed use Aquanett by Owatrol, then neutralise with Net-trol. For the rejuvenation of very dirty, stained hardwood decks use Prepdeck stripper/cleaner by Owatrol instead of Aquanett.

Have you considered the new **Q-Grip®** range of slip resistant decking products for the potentially slip sensitive areas of your deck?

## Re-seal and Protection

The finished deck should be kept clean and for good looks, resealed with a brush-on water repellent every year - Seasonite Wood Protection finish for exterior woods by Owatrol® is a good option. For best results re-apply a water repellent when the deck is dry after cleaning.

If you want to add colour to **Q-Deck®** preservative pre-treated products then pigmented Textrol by Owatrol is a protective coating to use after 12 months use. Water based stains are not recommended as the in-built water repellent within **Q-Deck®** preservative pre-treated products can affect the adhesion of the stain to the timber. This affect diminishes over time due to wear and tear. Please bear in mind that once you apply a stain/protective coating to decking it will need regular



Detailed care and maintenance instructions can be found within the Planning a Deck Guide and the Composite Decking Guide which are separate documents, downloadable from our website: [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)



re-staining and heavy foot traffic areas will have to be re-stained more frequently than other areas. If applying to **Q-Grip**® slip resistant deckboards, care must be taken not to apply stain to the aggregate strip areas as it may not adhere or dry properly on these areas and affect its slip resistance properties. Always follow the manufacturer's instructions when working with deck maintenance products.

## Take Care

It is advisable to regularly check for any proud shards or splinters of timber and remove them should they occur for safety reasons.

## Composite Decking

After completing your deck, **Twinson**® decking should be thoroughly washed to remove dust associated with the manufacturing process.

Although **Twinson**® decking is significantly easier to clean than solid timber decking, some surface pollutants may still prove troublesome to remove i.e. particularly very sticky substances (that harden) such as silicone sealants, resins and the sap of trees. The removal of these sticky substances should be swift otherwise very minor staining may result. For further details on the resistance of our composite decking products see our downloadable composite decking guide at [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk). It is always best to remove dirty marks as soon as possible using water, mild cleaner and a sponge. In most cases your **Twinson**® deck can be cleaned with a pressure washer combined with, if necessary, a mild cleaning product. For food marks (such as ketchup, wine, soup, fruit juice, cola, coffee) scrub well with diluted bleach solution then rinse well with water.

Note of caution: Leaf litter, in particular, if allowed to accumulate to the extent that the leaves start to decompose, can greatly increase the chance of slipping. This can be more prominent on the harder surface of composite type decking.

## Q-Deck® Hardwood

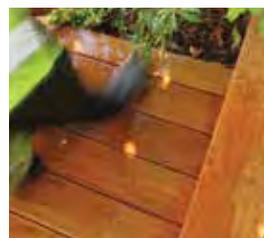
Like all natural hardwood decking the colouration of **Q-Deck**® hardwood decking fades over time due to the lightening effect of ultra-violet light (U.V.).

For best results use your new **Q-Deck**® hardwood deck for 6-8 weeks before:

1. Thoroughly cleaning it with Net-Trol Wood Cleaner and Colour restorer by Owatrol.
2. Oiling with Deks Olje D1 Saturating Wood oil by Owatrol.

It is advisable to repeat this process above every 12 months substituting Deks Olje D1 with Textrol Penetrating Oil by Owatrol. If however, some colour protection is required, then the use of a pigment coating should be applied to hardwood decking to slow down the bleaching effect of UV light. Pigmented Textrol is a good non-film forming option that preserves the natural appearance of the wood. For higher levels of U.V. protection, use Aquadecks by Owatrol, a water based, non-film forming, saturating, matt finish. All the pigmented coating systems mentioned above preserve the natural appearance of the wood (however, the darker the colour the more the natural appearance of the wood is obscured) and are available in a range of colours.

If colour protection is required immediately after fitting **Q-Deck**® hardwood then it is possible to prepare the surface of the decking by first applying Aquanett (or diluted Prep-deck), then neutralising with Net-Trol before finishing with one of the three Owatrol pigmented coating systems mentioned above.



**Q-Deck**® Garapa being cleaned with Net-Trol.



**Q-Deck**® Lyptus - 6 months after staining with Textrol 'rustic oak' decking oil.



**Q-Deck**® Lyptus showing early signs of weathering.



**Q-Deck**® Lunawood being cleaned with Net-Trol.



Regular cleaning of **Q-Deck**® hardwood with Net-Trol every 6-12 months is advisable.

If finished with a protective coating then re-application of the coating should take place as and when required but for continually good results it is advisable to re-apply every 12 months.

Over time some of the tannin is washed out of these timbers. Please note that the fabric of a building or associated landscaping products could become stained by the mobile tannin. This washing effect is more likely to occur during prolonged heavy rain, and be most concentrated in the period just after fitting your **Q-Deck**® hardwood deck.

To minimise tannin bleed new hardwood decking can be coated with Owatrol's Stoptan product.

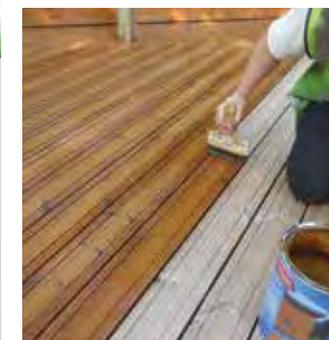
The tannin content also makes **Q-Deck**® hardwood susceptible to staining in contact with iron products or particles and moisture (as cedar and oak is also). If iron/ferrous staining occurs it can be easily remedied with the application of proprietary wood bleaching products such as Liberon® wood bleacher or Net-trol® wood cleaner and colour restorer by Owatrol®.

Dark staining can also occur if impervious static items, such as plastic furniture aren't regularly moved. Otherwise, particularly in the wetter months, rain water can become trapped causing the extractives in the hardwood to migrate to the surface, causing deeply engrained staining that cannot be removed.

## Q-Deck® Lunawood

**Q-Deck**® Lunawood's natural dark brown colouration weathers to grey over a relatively short space of time, when exposed to U.V. light. In the interim it is normal for the surface of the thermowood to become colonised by mould spores that appear as small dark spots. These will also fade overtime. It is not a requirement of the **Q-Deck**® Lunawood 20 year Warranty but highly recommended, is the use of a non-film forming penetrative protective coating. **But, please note:** New thermowood products cannot be effectively coated without first opening the pores of the wood, by either applying special chemicals, or naturally, by leaving it to weather outdoors in situation for at least 12 months. The use of Prepdeck followed by Net Trol by Owatrol on new thermowood products or the use of just Net Trol on suitably weathered thermowood products enables the effective application of either Aquadecks or Protex by Owatrol. These non-film forming penetrative systems help protect against the greying effects of U.V. light whilst preserving the appearance of the wood. These systems when used correctly should create a matt finish. The darker the colour the more the natural appearance of the wood is obscured.

Regular cleaning of **Q-Deck**® Lunawood with Net-trol® every 6-12 months is advisable. If finished with a protective coating then re-application of the coating should take place as and when required but for continually good results it is advisable to re-apply every 12 months.



**Q-Deck**® Lunawood finished with Aquadecks Teak.





## Q-DECK® /Q-GRIP® TIMBER DECKING COMPONENTS

### 15 Year Warranty

Hoppings Softwood Products Plc hereby certify that when fixed appropriately in accordance with the relevant design guidance **Q-Deck®/Q-Grip®** timber decking products shall be deemed under warranty for 15 years from the date of supply.

Please note: **Q-Deck®** Lyptus and **Q-Deck®** Garapa hardwood decking is not covered by this warranty.

#### CONDITIONS OF WARRANTY

The component shall have been supplied by Hoppings or by an authorised **Q-Deck®/Q-Grip®** retailer.

Proof of date and purchase of the timber and **Ensele®** end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor End Grain Preservative** must be produced to this effect.

Only **Q-Deck®** sub-frame timbers are deemed suitably fit for use with **Q-Deck®/Q-Grip®** components. This warranty explicitly excludes the use of non **Q-Deck®** sub-frame components as Hoppings cannot control the specification or quality of such products and these components could expose correctly preservative treated timber to a greater degree of risk of fungal decay/insect attack.

Timber should always be treated in its final form. However, any timber exposed by cross-cutting, notching or boring after treatment must be liberally swabbed with two coats of Lonza **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor End Grain Preservative**, in accordance with the Lonza Treated Timber User Guide for **Tanalith® E** pressure treated timber or the manufacturers instructions. Where possible cross-cut ends must not then be placed in the hazard zone of the design (ie. in ground contact).

The component shall have been fixed and maintained in accordance with appropriate guidance in force at the time. eg. the Timber Decking Manual published by the Timber Research and Development Association and the current **Q-Deck®/Q-Grip®** point of sale leaflet and guidance on the website [www.qualitydecking.co.uk/technical.php](http://www.qualitydecking.co.uk/technical.php)

#### EXCLUSIONS OF WARRANTY

- **Q-Deck®/Q-Grip®** products placed in fresh or salt water contact.
- **Q-Deck®/Q-Grip®** products supplied for installation outside UK mainland.
- **Q-Deck®/Q-Grip®** products removed from their original installation and re-used at a new location.
- Degrade caused by poor maintenance, such as allowing the accumulation of dirt and other organic matter to occur, or by a material change in the installation environment i.e. where a Use Class 3 component is 'in effect' being un-necessarily subjected to Use Class 4 conditions.
- Failure due to **Q-Deck®/Q-Grip®** components being used for any purpose for which they were not designed.
- The adhesion of **Q-Grip®** strip to associated **Q-Deck®** and/or non-**Q-Deck®** decking boards.

#### TRANSFERABILITY OF WARRANTY

The **Q-Deck®/Q-Grip®** 15 year warranty is fully transferable to new owners of the installed deck without notification.

#### UNDERTAKING

The warranty is for the cost of re-supply, by Hoppings, of a component that is proven to have failed as a result of fungal decay or insect attack, FREE OF CHARGE. It does not cover the costs of removal or reinstatement of such components or consequential costs or loss due to failure of the component.

The term 'fungal decay' as used in the warranty refers to wood destroying fungi that feed on and degenerate the wood cell walls. It excludes staining and mould fungi associated with the weathering of wood.

The term 'failed' refers to damage caused by fungi to such an extent that **the component is no longer fit for purpose.**

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights.



## Q-DECK® THERMOWOOD DECKING

### 20 Year Warranty

Hoppings Softwood Products Plc hereby certify that when fixed appropriately in accordance with the relevant design guidance **Q-Deck®** Lunawood shall be deemed under warranty for 20 years from the date of supply.

#### CONDITIONS OF WARRANTY

The component shall have been supplied by Hoppings or by an authorised **Q-Deck®** retailer. Proof of date and purchase of the must be produced to this effect.

Only **Q-Deck®** Use Class 4 sub-frame timbers are deemed suitably fit for use with **Q-Deck® Lunawood** components.

This warranty explicitly excludes the use of Use Class 3 **Q-Deck®** sub-frame components and non **Q-Deck®** sub-frame components as Hoppings cannot control the specification or quality of such products and these components could expose **Q-Deck® Lunawood** components to a greater degree of risk of fungal decay/insect attack.

Note: **Q-Deck®** Use Class 4 sub-frame components should always be treated in its final form. However, any timber exposed by cross-cutting, notching or boring after treatment must be liberally swabbed with two coats of **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor End Grain Preservative**, in accordance with the Lonza Treated Timber User Guide for **Tanalith® E** pressure treated timber or the manufacturers instructions. Lack of use could again expose **Q-Deck® Lunawood** components to a greater degree of risk of fungal decay/insect attack.

Proof of date of purchase of **Q-Deck®** Use Class 4 sub-frame timbers and where applicable, of **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor End Grain Preservative** must be produced to this effect.

The **Q-Deck® Lunawood** component shall have been fixed and maintained in accordance with appropriate guidance in force at the time. eg. the Timber Decking Manual published by the Timber Research and Development Association and the current **Q-Deck®** point of sale leaflet and guidance on the website [www.qualitydecking.co.uk/technical.php](http://www.qualitydecking.co.uk/technical.php)

#### EXCLUSIONS OF WARRANTY

- **Q-Deck® Lunawood** products placed in fresh or salt water contact.
- **Q-Deck® Lunawood** products supplied for installation outside UK mainland.
- **Q-Deck® Lunawood** removed from their original installation and re-used at a new location.
- Degrade caused by poor maintenance, such as allowing the accumulation of dirt and other organic matter to occur, or by a material change in the installation environment i.e. where a **Q-Deck® Lunawood** component is 'in effect' being un-necessarily subjected to in ground contact conditions, such as those created by water or soil entrapment under planters or similar objects or conditions.
- Failure due to **Q-Deck® Lunawood** components being used for any purpose for which they were not designed.
- The adhesion of **Q-Grip®** strip to associated **Q-Deck® Lunawood** decking.

#### TRANSFERABILITY OF WARRANTY

The **Q-Deck® Lunawood** 20 year warranty is fully transferable to new owners of the installed deck without notification.

#### UNDERTAKING

The warranty is for the cost of re-supply, by Hoppings, of a component that is proven to have failed as a result of fungal decay or insect attack, FREE OF CHARGE. It does not cover the costs of removal or reinstatement of such components or consequential costs or loss due to failure of the component.

The term 'fungal decay' as used in the warranty refers to wood destroying fungi that feed on and degenerate the wood cell walls. It excludes staining and mould fungi associated with the weathering of **Q-Deck® Lunawood** and the weathering of **Q-Deck® Lunawood** due to exposure to ultra violet light.

The term 'failed' refers to damage caused by fungi to such an extent that the component is no longer fit for purpose.

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights.

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased. The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased. The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.



**Q-DECK® TWINSON® COMPOSITE DECKING**

**25 Year Warranty**

For a period of twenty-five (25) years from the date of original purchase, **Twinson®** products shall not split, splinter or suffer structural damage as a sole and direct consequence of termites, insects or soft rotting micro-fungi.

**LIMITATIONS**

For a period of ten (10) years from the date of original purchase, **Twinson®** products shall not break. However this warranty explicitly excludes occurrences where the break occurs or may have occurred as a consequence of impact loads or poor design/ construction methods. This warranty applies to the use of products in normal residential use.

Contact Hoppings Softwood Products on 01992 578877 if you require a warranty for a deck that is to be created in a commercial type situation.

**WHAT'S NOT COVERED**

This warranty does not provide protection against misuse, abuse, neglect or improper storage or handling. Hoppings cannot be held responsible for product failure due to improper installation or failure to abide by Hoppings fitting instructions. It also

excludes the discolouration/staining of the products due to:

- Air borne pollutants, such as mould, algae, leaf litter and any deposits from plants and trees.
- Any other foreign substances that are not listed in the current downloadable 'Composite decking' PDF document on [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

The warranties are wholesaler/manufacturer to consumer/buyer warranties. However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased. The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.



**NEW Multipurpose Screening**



**NEW Thermowood Cladding**



**NEW Timber Gates**



[www.qualitygardentimber.co.uk](http://www.qualitygardentimber.co.uk)

[www.timber-cladding.co.uk](http://www.timber-cladding.co.uk)

**Outdoor Wood Products  
Cladding, Landscaping & Gates**



# Quality Brands....



		High quality, pre-painted timber cladding products.	PAGE 4
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		High quality, thermowood timber cladding products.	PAGE 6
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		Preservative pre-treated, high quality timber cladding.	PAGE 8
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		Preservative pre-treated, high quality landscaping sleepers.	PAGE 9
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		Handmade to order, high quality timber gates.	PAGE 10
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	Fitting gates - hints, tips and advice	14
	Fitting cladding advice	16
	Product warranties	19-22



## Why Choose Q-Clad™ Pre-painted Exterior Timber Cladding?

- Kiln dried quality Scandinavian whitewood.
- **Q-Clad™** claddings are supplied PEFC certified as standard.
- 10 year warranty (see page 19 for further details).
- Fine sawn finish provides great paint adhesion and great look.
- Factory applied paint soon after timber processing provides best possible paint performance.
- Rebated version provides quick and accurate fitting.
- New secret fix profile provides quick, accurate fitting and conceals fixings.
- Two coat systems in black & white.

**Q-Clad™** pre-painted exterior timber cladding products can be used in most vertical exterior cladding situations. They are designed to save time and provide a high quality painted finish that retains a natural grain finish only timber can provide.

The products are essentially designed to be over-painted but this is your choice and not a requirement of the warranty. We would recommend over-painting to hide the heads of fixings or any minor damage that may be incurred during fitting. The white product is designed for over-painting with the colour of your choice.



## Why Choose Q-Garden® Landscaping & Cladding Timber?

- **Better looking.** Q-Garden® products are manufactured from slow grown, quality softwood.
- **Substantial by design.** Q-Garden® products allow for creation of robust garden features.
- **Extra protection and peace of mind.** Q-Garden® products are preservative pre-treated with the latest generation wood preservative with a built-in water repellent additive. (Excludes all gates, see page 15).
- **Q-Garden®** products come with a warranty against decay and insect attack. (See page 21 for warranty details).
- **Q-Garden®** products are manufactured from certified timber.



PRESSURE TREATED TIMBER WITH BUILT-IN WATER REPELLENT



# Pre-painted Exterior Timber Cladding



**Q-Clad™** timber cladding is made from slow grown Scandinavian whitewood (Picea Abies). It is kiln dried to a specific moisture content suitable for external cladding use and preservative treated to Use Class 3.1 providing a 10 year warranty against fungal decay and insect attack (the warranty does not apply to the life of the paint coating). Factory applied paint provides the best possible paint finish for timber.

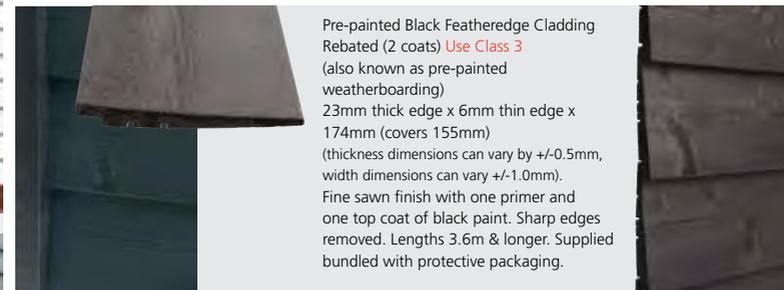
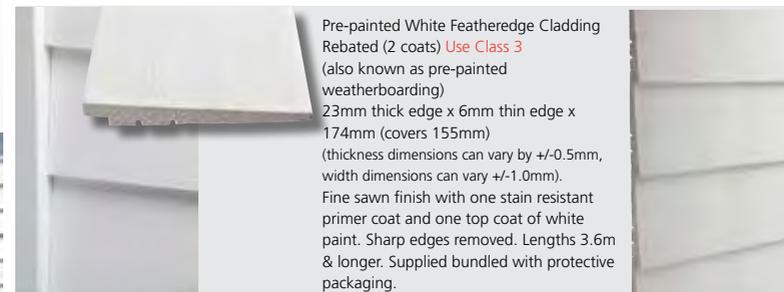
We strive to provide conditions for the best possible paint adhesion. The paint is a waterborne microporous system by Teknos, a well renowned Finnish commercial paint manufacturer. The more coats applied to the cladding means the greater paint 'build' and the greater the 'build' the better the finish and resistance to weathering. For over-painting we recommend the use of Bedec Barn Paints by Bedec Ltd or similar high quality waterborne microporous systems.

**Q-Clad™** timber claddings are supplied PEFC certified as standard. Please enquire with your **Q-Clad™** retailer if PEFC Chain of Custody is required.

## Featheredge Timber Cladding



# Rebated Featheredge Timber Cladding



## Secret Fix Sawn Shiplap Timber Cladding





# NEW Thermowood Cladding

**Q-Clad™** Thermowood cladding profiles 19 x 117mm (finished size after machining) are machined to order at approximately 14 days availability. Minimum order quantity 250m (approximately 30m²).

**Q-Clad™** Thermowood is Scandinavian softwood cladding with many innovative features.

- Cedar like performance characteristics.
- Thermowood is timber that has undergone a special heat treatment process to make it more durable without the need to use chemicals.
- Thermowood D grade by Lunawood comes with a 20 year warranty against fungal decay and 30 year expected service life, as endorsed by the Building Research Establishment (see page 20 for further details).
- Some of the profiles termed 'Secret-Fix' are designed to give a fixing free finish/look.
- Initial dark colouration makes it look similar to tropical hardwood cladding but at a lower price.
- Sustainably sourced. **Q-Clad™** Thermowood cladding is supplied PEFC certified as standard. Please enquire with your **Q-Clad™** retailer if PEFC Chain of Custody is required.
- The most stable cladding of the **Q-Clad™** range.
- Super smooth machined finish.
- Chemical free and can be disposed of as you would any untreated wood.



**Q-Clad™ Thermowood**  
T.G. & Open V style  
cladding  
19 x 117mm

Please note **Q-Clad™** Thermowood Cladding:

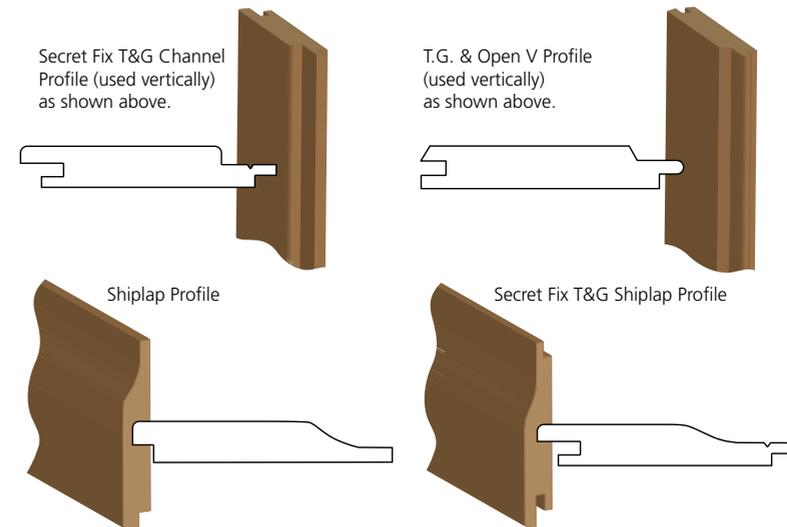
- Starts dark brown in colour but weathers to grey over a relatively short space of time. In the interim it is normal for the surface of the Thermowood to become colonised by mould spores that appear as small dark spots. These will also fade overtime. Not a requirement of the **Q-Deck® Lunawood** 20 year Warranty but highly recommended, is the use of a non-film forming penetrative protective coating. But, please note: New thermowood products cannot be effectively coated without first opening the pores of the wood, by either applying special chemicals, or naturally, by leaving it to weather outdoors in situation for at least 12 months. The use of Prepdeck followed by Net Trol by Owatrol on new thermowood products or the use of just Net Trol on suitably weathered thermowood products enables the effective application of either Aquadecks or Protect by Owatrol. These non-film forming penetrative systems help protect against the greying effects of U.V. light whilst preserving the appearance of the wood. These systems when used correctly should create a matt finish. The darker the colour the more the natural appearance of the wood is obscured.
- Has a more knotty appearance compared to the **Q-Garden®** preservative pre-treated softwood cladding because of how the boards are cut from the original log.



**Q-Clad™ Thermowood** cladding has a characteristic splay knot type appearance



- Is subjected to high temperatures to provide its durability and as a result knots can loosen and sometimes crack. Minor missing surface or lightly cracked knots are permissible on the top/decorative face of boards. Missing surface or badly cracked knots are permissible in any number on the reverse of boards.
- Has a distinctive smoky smell which goes with time or as soon as a coating is applied.



**Q-Clad-Tite** stainless steel annular ring shank cladding nails.



**Q-Clad-Tongue Tite** stainless steel cladding screws.

## Design and Construction Advice See pages 16-18 for further details.

- **Q-Clad™** Thermowood is not suitable for use where it may be saturated with water or in ground contact.
- Thermowood cuts and works well with traditional wood working tools but is more brittle than normal timber meaning fixings shouldn't be secured without first pre-drilling pilot holes especially near the end grain of boards
- Thermowood becomes slightly more acidic in nature, and thus it is advisable to use stainless steel fixings when building with it.
- The use of **Q-Clad™** Tongue Tite stainless steel cladding screws or **Q-Clad™** Tite stainless steel annular ring shank cladding nails at every batten junction is recommended.

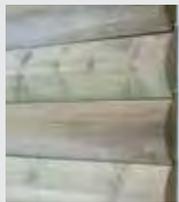


# Cladding & Privacy Screening

Use **Q-Garden®** claddings to construct your own sheds, cabins, buildings and screens. Special order products. Please check availability with the retailer. Also available untreated ex-stock (Please note: warranty does not apply to untreated products).



14.5mm x 120mm (covers 110mm) x random lengths  
Shiplap Use Class 3



44mm x 144mm (covers 132mm) x random lengths  
Loglap Use Class 3

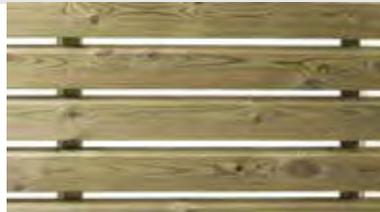


20.5mm x 95mm (covers 85mm) x random lengths  
Loglap Use Class 3

**NEW**



**Q-Garden®**  
Multi-purpose screening  
Use Class 3  
27 x 69mm



**Q-Garden®** Multi-Purpose screening comes in long lengths and can be cut to length as required to cloak external walls or create privacy screening. When used on external walls it is more commonly known as rain-screen cladding.

Adjust the space between adjacent lengths as you wish to change look and feel of the elevation. For the supporting battens use **Q-Deck® Plus** 33 x 33mm Multi-Purpose baluster material (see page 21 in the decking section of this brochure) placed at no more than 900mm centres (this assumes the battens themselves are fully supported) and fix with **Q-Deck®** Tite Plus stainless steel decking screws or **Q-Clad®** Tite stainless steel annular ring shank cladding nails (see page 35 in the decking section of this brochure). When used discreetly as rain-screen cladding **Q-Garden®** Multi-Purpose screening not only looks stunning but also allows the fabric of an external wall to remain well ventilated.



# Landscaping Sleepers

**Q-Garden®** landscaping sleepers can provide a robust feature when used with decks or in general landscaping, i.e. steps, edging, raised plant beds and retaining walls.



**Q-Garden®** sawn landscaping sleeper  
120mm x 245mm x 2400mm  
Use Class 4

....or for a smoother finish



Timber-Tite countersunk versus proud hex head.

Cut and fit to your required design using specialist landscaping screws.



**Q-Garden®** planned landscaping sleeper (with 4 chamfered edges) 115mm x 240mm x 2400mm  
Use Class 4



**Q-Garden®** landscaping sleepers are supplied PEFC certified as standard. Please enquire with your **Q-Garden®** retailer if PEFC Chain of Custody is required.





# Why Choose Q-Garden® Timber Gates?



**Make a feature and a statement by choosing a Q-Garden® timber gate.**

**Q-Garden®** gates are hand-made high quality softwood and hardwood gates available in a vast range of standard sizes in a wide range of modern and traditional styles. Made from joinery grade untreated certified Scandinavian pine or certified iroko hardwood, the super heavy duty frame size of 70 x 95mm and the heavy duty 15mm thick infill panelling make **Q-Garden®** gates look and feel great.

- The robust construction is completed with concealed mortised and tenoned, dowelled joints.
- For extra peace of mind **Q-Garden®** gates come with a ten year performance warranty. – see page 22 for details.
- **Q-Garden®** gates are supplied FSC® certified as standard\*. Please enquire with your **Q-Garden®** retailer if FSC® Chain of Custody is required.
- **Q-Garden®** gates are supplied with a metal accessory kit as standard in a choice of either black or galvanised finish, answering the tricky question of what hinges to use.
- Each **Q-Garden®** gate is made to order and available in approximately 3 weeks.

## Double Leaf Driveway Gates



**Q-Garden®** driveway gates come in a range of 12 styles in 4 height and 7 width options providing a gate design to suit most choices.

## Single Leaf Garden Gates



**Q-Garden®** garden gates come in a range of 8 styles in 4 height and 7 width options.

## Field Gates



**Q-Garden®** field gates come in 2 styles and 13 width options providing a gate design to suit most choices.

\*At the time of going to print, the FSC® accreditation of Q-Garden® Gates had not been confirmed by the audit body. Hoppings Softwood Products therefore reserve the right to withdraw Q-Garden® Gates from offer as "FSC® certified as standard", as detailed above without prior notice.

## Q-Garden® Gate Styles

Available in both single leaf garden and double leaf driveway gates - see over for full product details.



Welbeck ▲



Petworth ▲



Reverse face of Wilton



Wilton ▲



Blenheim ▲



Chatsworth ▲



Longleat ▲



Reverse face of Woburn



Woburn ▲



Chevening ▲



Wentworth ▲



Mentmore ▲



Burghley - dual design, hang either way.



Burghley ▲



Downton ▲

## Accessory Kits

Accessory kits are included with each gate.



Single garden gate kits consist of a pair of hinges, ring latch and brenton bolt.



Double Driveway gate kits consist of 2 pairs of hinges, ring latch, brenton bolt & 2 drop bolts.

## Double Leaf Driveway Gate Sizes

In principle **Q-Garden®** Driveway gates are available in the following sizes.

Height	Double Leaf (pair) Width						
	6ft (1830mm)	7ft (2100mm)	8ft (2440mm)	9ft (2740mm)	10ft (3050mm)	11ft (3350mm)	12ft (3660mm)
3ft (900mm)	✓	✓	✓	✓	✓	-	-
4ft (1200mm)	✓	✓	✓	✓	✓	-	-
5ft (1500mm)	✓	✓	✓	✓	✓	✓	✓
6ft (1800mm)	✓	✓	✓	✓	✓	✓	✓

Neither Blenheim and Chatsworth styles are available in 900mm height option. Wentworth is not available in 900mm or 1200mm height options.

For more information please go to [www.qualitygardentimber.co.uk](http://www.qualitygardentimber.co.uk)

## Single Leaf Garden Gate Sizes

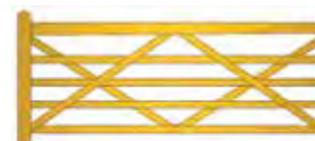
In principle **Q-Garden®** Garden gates are available in the following sizes.

Height	Single Leaf Width						
	3ft (915mm)	3½ft (1065mm)	4ft (1220mm)	4½ft (1370mm)	5ft (1525mm)	5½ft (1675mm)	6ft (1830mm)
3ft (900mm)	✓	✓	✓	✓	✓	-	-
4ft (1200mm)	✓	✓	✓	✓	✓	-	-
5ft (1500mm)	✓	✓	✓	✓	✓	✓	✓
6ft (1800mm)	✓	✓	✓	✓	✓	✓	✓

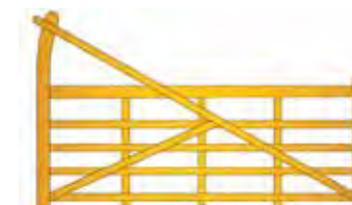
The following styles are not available - Blenheim, Chatsworth, Woburn, Burghley. Wentworth is only available in 1500mm and 1800mm height options.

For more information please go to [www.qualitygardentimber.co.uk](http://www.qualitygardentimber.co.uk)

## Q-Garden® Field Gate Styles



Holkham



Highclere

## Accessory Kits

Included with each field gate. Single field gate kits consist of adjustable hinges and hook on post set.



## Field Gate Sizes

The Holkham gate is 4ft (1200mm) in height and the Highclere gate is 5½ ft (1650mm) in height. Both styles of **Q-Garden®** Field gates are available in the following widths.

Height	Single Gate Width						
	3ft (915mm)	3½ft (1065mm)	4ft (1220mm)	5ft (1525mm)	6ft (1830mm)	7ft (2100mm)	8ft (2440mm)
3ft (900mm)	✓	✓	✓	✓	✓	✓	✓
4ft (1200mm)	✓	✓	✓	✓	✓	✓	✓
5ft (1500mm)	✓	✓	✓	✓	✓	✓	✓
6ft (1800mm)	✓	✓	✓	✓	✓	✓	✓

For more information please go to [www.qualitygardentimber.co.uk](http://www.qualitygardentimber.co.uk)

## Other items available when ordering Q-Garden® gates (not available separately):

- A range of four way weathered sawn softwood pre-treated post
- A range of four way weathered sawn Oak post
- 2100 x 70 x 144mm softwood wall plate
- 70 x 190mm Solid bottom rail to house automation kit for driveway gates

### Other metal accessories:

- Spring hunt latch kit galvanised
- Auto gate latch galvanised
- 450mm lockable drop over loop galvanised

Go to [www.qualitygardentimber.co.uk](http://www.qualitygardentimber.co.uk) for further details.



Sawn Oak posts.



Sawn softwood posts. Note: The colour (green) does not match that of the gates.



Without solid rail bottom

With solid rail bottom



## Q-Garden® Timber Gates - Hints Tips and Advice

Specifying the correct gates is really important for a number of different reasons. For instance, you will need to take into account:

*The overall size and weight of the gates?*

*Are they manual or electric – or will they be automated in the future?*

*Aesthetic - is the gate style traditional or contemporary? Is the setting rural or town?*

*Who will be using the gates? - children, elderly or disabled persons all have differing requirements.*

*Security is paramount these days – will the gates be easy to use and still achieve the level of security required?*

It is a good idea to check with the local planning office to see if you need planning permission for your proposed gate entrance project.

**Gates sizes listed are 'actual size'** – when choosing from our wooden gate range, the measurements listed are the actual size of the gates.

**Width** - For example take a pair of Driveway Gates, the 12' (3.66m) measurement stated in the GATE SIZE refers to the actual width of the pair of gates. Allowances will need to be made for posts, fittings and clearance at the centre.

**Height** - Heights shown are for the **actual** height of the gate. When hanging, allow 2" (50mm) for ground clearance, with more if the gates are on a slope.

**New Entrances** - If you are starting from scratch, remember to allow for any posts or piers.

**Hinges** - Whether or not your gates are to be manually or electrically operated we recommend that heavy duty galvanised adjustable hinge sets are specified. This will ensure that the smooth operation of the gate leaves can be maintained by making adjustments to compensate for any potential seasonal movements in the gate, posts, piers or ground condition.

**Latches and Locks** - Latches provide a quick and easy way of opening and keeping the gates closed. For greater security we recommend fitting a lockable sliding bolt or long throw key lock that has a Euro Profile cylinder lock which is accessible from both sides.

**Drop Bolts and Holdback Hooks** - The traditional way of securing a pair of wooden gates is with drop bolts. These are fixed to the centre stile of each leaf and slide down into a wooden or steel centre stop block to secure the gates in the closed position. The same drop bolts can also be utilised to hold the gates in the open position. Drop bolts can be supplied in a variety of lengths depending on the gap underneath the gate or to take into account a sloping driveway.

Sometimes it is more appropriate to install a cabin hook in order to keep the gates held open.

## Protecting & Maintaining your gate



**Q-Garden®** gates come with a primer coat of Sovereign Base Coat ready to finish with your choice of paint or stain. **Q-Garden®** gates must be painted or stained with a quality paint or stain suitable for the job, prior to fitting and every 2 years thereafter. Metal fixtures must also be used. (These are conditions of the **Q-Garden®** Gate 10 year warranty – see page 22 for details).

Any minor alterations made to the end grain of timber of a gate must be retreated with a suitable end grain preservative such as **Hickson® Decor** end grain preserver, **Ensele®** end grain preservative or **Ronseal®** end grain preserver.

So, don't just leave your gates untreated, the effects of rain, wind and ultra violet light will increase the deterioration of untreated gates. Choose a good quality exterior finishing system and get advice first to make sure you use the correct product for your specific application.

For best results we recommend the use of non-film forming finishes, such as Aquadecks (a water based, non-film forming, translucent, saturating matt finish) by Owatrol UK Ltd.

If however an opaque paint finish is required, we recommend Bedec Barn paint (a microporous, water based acrylic paint system) by Bedec Ltd, which being film forming in nature will require more maintenance. If a light coloured opaque paint finish is required then it is highly advisable to apply a suitable stain blocking coat (Bedec Stain Block is recommended) to the gate prior to applying the top coat. This inhibits the movement of mobile resin in the Scandinavian pine timber, which can cause surface staining of paint finishes if a stain blocking coat isn't used.

We do not recommend the use of fillers to make good. The re-application of paint or stain brushed well into the cracked areas will remove colour contrasts and provide additional protection to these areas. If for cosmetic reasons the use of filler is desired, then these should be of the highly flexible type which will accommodate subsequent movement of the products through seasonal changes.

It is advisable to regularly check your gate and carry out any necessary remedial finishing work or adjustments. Wood is a beautiful natural material and requires care and attention to keep it looking good and lasting a long time.

Finally, keep your **Q-Garden®** gate free from the build-up of organic matter.





## Fitting Q-Clad™ and Q-Garden® Cladding

For more information about fitting Q-Clad™ timber cladding please visit [www.timber-cladding.co.uk](http://www.timber-cladding.co.uk)

Clad-Tite®

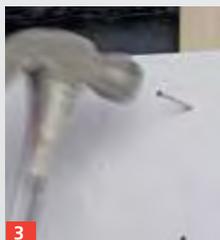


Q-Clad-Tite stainless steel annular ring shank cladding nails.

Tongue-Tite PLUS®



Q-Clad-Tongue Tite stainless steel cladding screws.



3



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- Boards should be fitted to studs or battens at ideally 400mm centres (not more than 600mm) and where joined only over a stud/batten. When fitted to the elevation of a dwelling, the cavity behind the cladding should be backed with a breather membrane. The cavity should be ventilated at the top and bottom of the wall and be of a depth not less than 19mm.

Note: It is important to allow for the expansion of Q-Clad™/Q-Garden® boards when fitting them. Firstly, never inadvertently restrict interconnecting boards from expanding by butting the first and last boards of a run to immovable elements of the building/construction. Secondly don't fit interconnecting boards tight to one another. It is wise to connect adjacent boards then tease them apart ever so slightly before securing them to allow for potential expansion in the wetter seasons. This advice does not apply to Q-Clad™ pre-painted black featheredge as the boards do not interconnect.

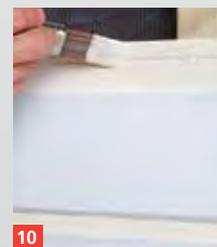
- It is important to plan ahead when cladding two adjacent walls that meet at an internal or external corner. It is advisable to fit cladding to both walls at the same time i.e. fit one board to one flank and the same height board to the adjacent flank. If you do not adopt this approach aligning boards accurately where they meet at the corner may not be achievable. Fit boards using ideally 45mm+ 306 grade stainless steel annular ring shank cladding nails or trim headed deck screws - Q-Clad-Tite nails or Q-Clad™ Tongue Tite plus screws are recommended. If the nature of the wall construction won't accept 45mm long fixings (such as battens over existing bricks) then shorter stainless steel screws can be used as an alternative. The heads should be fitted flush with the face of the cladding. If driven deeper it is wise to re-seal the punctured timber. When fixing Q-Clad™ secret fix cladding shorter annular ring nails or screws can be used. When fixing Q-Garden® 44mm loglap a longer nail or screw should be used (minimum 63mm).
- When fixing 175mm Q-Clad™ painted claddings the nails should be positioned above the line of the rebate, so in effect the top board holds the board below in place. The nail **should not** be driven through both boards. It is wise to use a pair of nails at every batten junction as shown. The nails being roughly 30 to 40mm in from the top and bottom edge of each board. This helps keep the narrow end of the board tight to the batten even when they shrink in the warmer drier seasons.
- When fixing secret fix Q-Clad™ pre-painted cladding one fixing should be positioned in the 'v' groove located in the tongue of the board at every batten junction. The fixing should be driven obliquely through the cladding as shown left.
- Any cuts to the Q-Clad™ pre-painted or Q-Garden® cladding should be end grain preservative treated with Hickson® Decor, Ensele® end grain preservative or Ronseal® end grain preserver to meet the terms of the Q-Clad™ ten year warranty. (Does not apply to Q-Clad™ Thermowood products).
- Any joints between boards butted end to end or to trims should be caulked/sealed (and monitored/maintained as detailed in the warranty). Alternatively 8-10mm gaps between joints/trims can be left, which enables natural ventilation and less maintenance. Poor detailing can cause the moisture content of the cladding to become too high and may cause discolouration of light coloured paints in these specific areas and increase the risk of fungal infection/decay.



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- Take care to avoid splitting the timber when nailing near the end of boards (drilling pre-pilot holes may be required especially with Q-Clad™ Thermowood that is coherently more brittle than modified timber. Making the nail head blunt can also serve to minimising splitting).
  - Depending on the batten/joist width, it can be prudent to use a pair of counter battens at the junction of boards butted end to end, to provide a wider area to nail into.
  - We recommend over coating Q-Clad™ pre-painted claddings with a top coat of paint to hide the heads of the fixings and cover any minor damage that may have been incurred during handling. We recommend a paint system 'Barn paint' by Bedec Ltd. There is a choice of three finishes - matt, satin or semi gloss. Other good quality water borne acrylic microporous paint are acceptable, such as those by Sikksens.
- It is very important that the manufacturer's painting instructions are followed. In particular the paint must be able to cure/dry in the time indicated on the tin. Factors effecting the rate of cure/drying are the moisture content of the Q-Clad™ cladding itself and the ambient weather conditions when the paint is applied. Discolouration of the applied paint film can occur if the cladding being painted is above 20% moisture content and/or the weather conditions don't allow the paint system to cure/dry effectively. If in doubt only apply top coats of paint to Q-Clad™ after an extended period of dry weather (however, if fitted with inadequate ventilation then the moisture content must be assessed and controlled first) and in warm and dry weather conditions. Alternatively, pre-paint the cladding in a controlled dry and warm environment such as a garage, prior to fitting. See specific advice for finishing Q-Clad™ Thermowood on page 6.
- If you intend to finish white Q-Clad™ products in a darker shade of paint it is advisable to paint the joint between adjoining boards as they are fitted as shown. This serves to ensure no white areas of cladding appear if the boards shrink slightly in warmer seasons.
  - Q-Garden® claddings have water repellent properties as they are preservative pre-treated with Tanalith® E Extra providing the timber with an extra level of protection.

If you intend to stain or paint Q-Garden® claddings please note that water based stains/paints are not ideally suited because of the water repellent nature of the treatment. Therefore, it is advisable to use organic solvent based alternatives such as Sadolin Classic.

- 12 **Q-Clad™** is supplied at an average moisture content of 14-16% (tolerance +/- 2%). It should not be stored in a situation that allows it to become too wet or too dry as the affects may be seen in situation in the form of excessive swelling or shrinking of boards.
- 13 **Q-Garden®** cladding is supplied preservative pre-treated to order so in principle should be allowed to become touch dry before fitting, otherwise the affects of shrinkage may become apparent in situation.
- 14 **Q-Clad™** should be stored in suitably protected conditions to avoid direct wetting. Storage in an unheated garage or shed is ideal. If the products have to be stored outside, protect packs with loose water proof covers that allows air to circulate. The packs should be suitably supported off the ground out of contact with soil or water and with sufficient support to prevent deflection/sagging of the packs, ie. every 600mm.

Note: We cannot guarantee that white **Q-Clad™** will retain its white colour. Although **Q-Clad™** has a built-in paint layer to resist surface staining, in continuous periods of excessive rain a slight yellowing may occur. It is less likely to occur when good ventilation detailing has been adopted. If discolouration does occur **Q-Clad™** should be painted with a stain blocking system such as Bedec stain block and then top coats re-applied.

For more information go to [www.timber-cladding.co.uk](http://www.timber-cladding.co.uk)

### Cladding Coverage

m <sup>2</sup>	120mm shiplap cladding	144mm shiplap cladding	95mm loglap cladding	144mm loglap cladding	144mm sawn secret-fix shiplap covers	175mm sawn featheredge cladding covers	174mm sawn rebated featheredge covers
	covers 110mm	covers 135mm	covers 85mm	covers 132mm	covers 132mm	covers 140mm	covers 155mm
1	9.1	7.4	11.8	7.6	8.4	7.1	6.5
2	18.2	14.8	23.6	15.2	16.8	14.2	13.0
3	27.3	22.2	35.4	27.8	25.2	21.3	19.5
4	36.4	29.6	47.2	30.4	33.6	28.4	26.0
5	45.5	37.0	59.0	38.0	42.0	35.5	32.5
10	91.0	74.0	118.0	76.0	84.0	71.0	65.0
15	136.5	111.0	177.0	114.0	126.0	106.5	97.5
20	182.0	148.0	236.0	152.0	168.0	142.0	130.0

### Thermowood Cladding Coverage

m <sup>2</sup>	shiplap covers	secret fix shiplap covers	secret fix channel covers	T.G. & Open V covers
	107mm	97mm	97mm	107mm
1	9.4	10.3	10.3	9.4
2	18.8	20.6	20.6	18.8
3	28.2	30.9	30.9	28.2
4	37.6	41.2	41.2	37.6
5	47.0	51.5	51.5	47.0
15	94.0	103.0	103.0	94.0
20	188.0	206.0	206.0	188.0



## Q-CLAD™ PRE-PAINTED TIMBER CLADDING COMPONENTS

### 10 Year Warranty

Hoppings Softwood Products Plc hereby certify that when fixed appropriately in accordance with the relevant design guidance **Q-Clad™** timber cladding products shall be deemed under warranty for 10 years from the date of supply.

#### CONDITIONS OF WARRANTY

The component shall have been supplied by Hoppings or by an authorised **Q-Clad™** retailer.

Proof of date and purchase of the timber and **Ensele®** end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative must be produced to this effect.

However, any timber exposed by cross-cutting, notching or boring after treatment must be liberally swabbed with two coats of Lonza **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative, in accordance with the manufacturers instructions.

The component shall have been fixed and maintained in accordance with appropriate guidance in force at the time. eg. the Timber Cladding Manual published by the Timber Research and Development Association and the current **Q-Clad™** guidance in print or on [www.timber-cladding.co.uk](http://www.timber-cladding.co.uk)

The painted surface of the **Q-Clad™** cladding must be suitably maintained. External cladding gets contaminated with surface pollutants, such as dust, dirt, insects, etc and so **Q-Clad™** components should ideally be washed with clear soapy water every summer. Should it appear blistered, peeling or flaking away then appropriate action should take place immediately to remedy this i.e. sanding and re-application of a suitable micro-porous paint system such as Bedec Barn paints or Dulux Weathershield.

Should the cladding become damaged in any way, it should be repaired immediately.

After approximately 5 years, assuming one or more coats of paint were applied to the **Q-Clad™** components immediately after fitting, it will be necessary to re-paint the **Q-Clad™** components using a suitable micro-porous paint system such as Bedec Barn paints or Dulux Weathershield. Always follow the paint manufacturer's instructions.

That any caulk lines (gaps between **Q-Clad™** cladding that are sealed with a proprietary sealant) are suitably well maintained to keep moisture out of the joint and cavity behind the cladding. If the caulk line fails in any way moisture can get trapped and put **Q-Clad™** cladding at a greater degree of risk of fungal decay/insect attack.

#### EXCLUSIONS OF WARRANTY

- **Q-Clad™** products placed in fresh or salt water contact.
- **Q-Clad™** products supplied for installation outside UK mainland.
- **Q-Clad™** products removed from their original installation and re-used at a new location.
- Degrade caused by poor maintenance, such as allowing the accumulation of dirt and other organic matter to occur, or by a material change in the installation environment i.e. where a Use Class 3 component is 'in effect' being unnecessarily subjected to Use Class 4 conditions such as a leaking gutter.

- Failure due to **Q-Clad™** components being used for any purpose for which they were not designed.

#### TRANSFERABILITY OF WARRANTY

The **Q-Clad™** 10 year warranty is fully transferable to new owners of a structure/building without notification.

#### UNDERTAKING

The warranty is for the cost of re-supply, by Hoppings, of a component that is proven to have failed as a result of fungal decay or insect attack, **FREE OF CHARGE**. It does not cover the performance/failure of the paint coating or the staining/discolouration of the paint coating or cladding. It does not cover the costs of removal or reinstatement of such components or consequential costs or loss due to failure of the component.

The term 'fungal decay' as used in the warranty refers to wood destroying fungi that feed on and degenerate the wood cell walls. It excludes staining and mould fungi associated with the weathering of wood.

The term 'failed' refers to damage caused by fungi to such an extent that the component is **no longer fit for purpose**.

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights.

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased.

The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.



## Q-CLAD™ THERMOWOOD CLADDING COMPONENTS

### 20 Year Warranty

Hoppings Softwood Products Plc hereby certify that when fixed appropriately in accordance with the relevant design guidance **Q-Clad™** Thermowood (by Lunawood) shall be deemed under warranty for 20 years from the date of supply.

#### CONDITIONS OF WARRANTY

The component shall have been supplied by Hoppings or by an authorised **Q-Clad™/ Q-Deck®** retailer.

Proof of date and purchase of the must be produced to this effect.

Only Use Class 3 battening timbers, such as **Q-Deck®** Plus 33 x 33mm multi-purpose baluster material are deemed suitably fit for use with **Q-Clad™** Thermowood components.

This warranty explicitly excludes the use of Use Class 1 / 2 grade preservative pre-treated timber battening as, these components could expose **Q-Clad™** Thermowood components to a greater degree of risk of fungal decay/insect attack.

Note: Use Class 3 battening should always be treated in its final form. However, any timber exposed by crosscutting, notching or boring after treatment must be liberally swabbed with two coats of **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative, in accordance with the Lonza Treated Timber User Guide for **Tanalith® E** pressure treated timber or the manufacturers instructions. Lack of use could again expose **Q-Clad™** Thermowood components to a greater degree of risk of fungal decay/insect attack. Proof of date of purchase of Use Class 3 battening and where applicable, of **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative must be produced to this effect.

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased.

The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.

The **Q-Clad™** Thermowood component shall have been fixed and maintained in accordance with the Timber Cladding Manual published by the Timber Research and Development Association and the current **Q-Clad™** guidance in print or on [www.timber-cladding.co.uk](http://www.timber-cladding.co.uk)

#### EXCLUSIONS OF WARRANTY

- **Q-Clad™** Thermowood products placed in fresh or salt water contact.
- **Q-Clad™** Thermowood products supplied for installation outside UK mainland.
- **Q-Clad™** Thermowood removed from their original installation and reused at a new location.
- Degrade caused by poor maintenance, such as allowing the accumulation of dirt and other organic matter to occur, or by a material change in the installation environment i.e. where a Use Class 3 component is 'in effect' being unnecessarily subjected to Use Class 4 conditions such as a leaking gutter.
- Failure due to **Q-Clad™** components being used for any purpose for which they were not designed.

#### TRANSFERABILITY OF WARRANTY

The **Q-Clad™** Thermowood 20 year warranty is fully transferable to new owners of the installed deck without notification.

#### UNDERTAKING

The warranty is for the cost of resupply, by Hoppings, of a component that is proven to have failed as a result of fungal decay or insect attack, **FREE OF CHARGE**. It does not cover the costs of removal or reinstatement of such components or consequential costs or loss due to failure of the component.

The term 'fungal decay' as used in the warranty refers to wood destroying fungi that feed on and degenerate the wood cell walls. It excludes staining and mould fungi associated with the weathering of **Q-Clad™** Thermowood and the weathering of **Q-Clad™** Thermowood due to exposure to ultra violet light.

The term 'failed' refers to damage caused by fungi to such an extent that the component is no longer fit for purpose.

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights.



## Q-GARDEN™ TIMBER COMPONENTS

### 15 Year Warranty

Hoppings Softwood Products Plc hereby certify that when fixed appropriately in accordance with the relevant design guidance **Q-Garden®** timber products shall be deemed under warranty for 15 years from the date of supply.

#### CONDITIONS OF WARRANTY

The component shall have been supplied by Hoppings or by an authorised **Q-Garden®** retailer.

Only **Q-Deck®** sub-frame timbers are deemed suitably fit for use with **Q-Garden®** components. This warranty explicitly excludes the use of non **Q-Deck®** sub-frame components as Hoppings cannot control the specification or quality of such products and these components could expose correctly preservative treated timber to a greater degree of risk of fungal decay/insect attack.

Timber should always be treated in its final form. However, any timber exposed by cross-cutting, notching or boring after treatment must be liberally swabbed with two coats of **Ensele®** brush-on end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative, in accordance with the Lonza Treated Timber User Guide for **Tanalith® E** pressure treated timber or the manufacturers instructions. Where possible cross-cut ends must not then be placed in the hazard zone of the design (ie. in ground contact).

Proof of date and purchase of the timber and **Ensele®** end grain preservative or **Ronseal®** end grain preserver or **Hickson® Decor** End Grain Preservative must be produced to this effect.

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased.

The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.

The component shall have been fixed and maintained in accordance with appropriate guidance in force at the time. eg. the Timber Decking Manual and Timber Cladding Manual published by the Timber Research and Development Association and the current **Q-Garden®** point of sale leaflet and website at [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

#### EXCLUSIONS OF WARRANTY

- **Q-Garden®** products placed in fresh or salt water contact.
- **Q-Garden®** products supplied for installation outside UK mainland.
- **Q-Garden®** products removed from their original installation and re-used at a new location.
- Degrade caused by poor maintenance, such as allowing the accumulation of dirt and other organic matter to occur, or by a material change in the installation environment i.e. where a Use Class 3 component is 'in effect' being unnecessarily subjected to Use Class 4 conditions.
- Failure due to **Q-Garden®** components being used for any purpose for which they were not designed.

#### TRANSFERABILITY OF WARRANTY

The **Q-Garden®** 15 year warranty is fully transferable to new owners of the installed deck without notification.

#### UNDERTAKING

The warranty is for the cost of re-supply, by Hoppings, of a component that is proven to have failed as a result of fungal decay or insect attack, **FREE OF CHARGE**. It does not cover the costs of removal or reinstatement of such components or consequential costs or loss due to failure of the component.

The term 'fungal decay' as used in the warranty refers to wood destroying fungi that feed on and degenerate the wood cell walls. It excludes staining and mould fungi associated with the weathering of wood.

The term 'failed' refers to damage caused by fungi to such an extent that the component is **no longer fit for purpose**.

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights.



## Q-GARDEN® TIMBER GATES

### 10 Year Warranty

Q-Garden® gates are covered by a 10 year warranty against inherent defects such as manufacturing, failure due to biological attack and fitness for purpose.

#### CONDITIONS OF WARRANTY

Manufacturing refers to joinery best practices not being followed, resulting in poor quality craftsmanship.

Failure due to biological attack refers to the product being attacked by wood destroying fungi that feed on and degenerate the wood cell walls but it excludes patching and surface mould fungi associated with the natural weathering of wood which occurs over time.

Fitness for purpose refers to the gates ability solely to perform as a gate and not the customer's choice of gate for the intended application.

When making a claim, proof of purchase and date supplied must be provided.

Gates shall have been fitted and maintained in accordance with appropriate guidance in force at the time eg. How to Fit Q-Garden® Gates - Hints, Tips and Advice information.

Hoppings Softwood Products (HSP) will accept minor alterations of adding hinges, locks, latches, bolts, automation kits and letterboxes to the product however all other alterations are excluded and any cuts made to the timber must be retreated with a suitable end grain preservative such as **Hickson® Decor** end grain preserver, **Ensele®** end grain preservative and **Ronseal®** end grain preserver.

#### EXCLUSIONS OF WARRANTY

Problems as the result of unsuitable paint finish, poor fitting, inappropriate ironwork, a lack of maintenance acts of vandalism, accidental damage, operator misuse or unsuitable operating environments.

Patching and surface mould fungi associated with the natural weathering of wood which occurs over time.

Gates supplied for installation outside of the U.K.

Gates removed from their original installation and re-used at a new location.

Failure due to the product being used for any purpose for which it was not designed for.

#### UNDERTAKING

If any problems occur during the lifetime of the warranty, HSP will replace the item FREE of charge,

This warranty is for the replacement of the original product purchased only and does not cover the costs of removal and reinstatement of the product or consequential costs or losses incurred due to the failure of the product. This warranty does not cover automation kits, locks, hinges, bearings, rollers and other additional parts subject to wear and tear.

This warranty is transferable to new owners without notification.

#### STATUTORY RIGHTS

This warranty is in addition to the purchaser's normal statutory rights

Finally, timber is a natural product and may be subject to the development of cracks and fissures, particularly in large section timbers exposed to the elements. As per the findings of TRADA (Timber Research and Development Association) fissures running parallel with the grain do not affect the strength and durability of the product and are not considered a defect under this warranty.

## Notes

The warranties are wholesaler/manufacturer to consumer/buyer warranties.

However the initial raising of a complaint should be directed to the authorised retailer from where the goods were purchased.

The complaint should be made in writing/e-mail and must include proof of purchase ie. a copy or scan of the original invoice.

Hopping Softwood Products reserves the right to withdraw products, alter product designs or amend fitting instructions without prior notice. For the most up-to-date information it is wise to check at [www.qualitydecking.co.uk](http://www.qualitydecking.co.uk)

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