

TIMBER DECKING PRODUCTS

ISSUE 2 | JUNE 2015



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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

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 and available PEFC or FSC® certified on request. **Q-Deck** Garapa and **Q-Grip** York and Canterbury decking boards are manufactured from and supplied as FSC® certified timber as standard.

Q-Deck Lunawood® is supplied as PEFC certified 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.

INDEPENDENTLY QUALITY ASSESSED

All **Q-Deck** products have DeckMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

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).

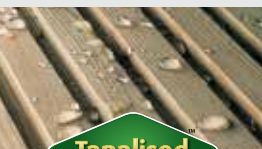
DeckMark Plus is an extension of the TDCA's DeckMark quality assurance scheme. Introduced in 2000, DeckMark was designed to give reassurance to specifiers and consumers that timber deck components have been manufactured to established quality standards.

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.



Quality selection on the high speed production line



PRESSURE TREATED TIMBER WITH BUILT-IN WATER REPELLENT



Reg. Firm No. 0325



Q-Grip - No.0325(+)



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 Advice

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.



Throughout this document this icon appears to indicate inclusion in the **Q-Deck** 'How to Build a Deck' on-line video at www.qualitydecking.co.uk



This icon appears to indicate a **TOP TIP** - advice to make your deck building experience a little easier and help minimise the risk of fungal infection.

Warranty Information

Downloadable warranty information can now be found on our website.

Go to www.qualitydecking.co.uk for the latest information on our products and warranties or scan the QR code.



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 preservative/Hickson Decor end grain preservative) to maintain the integrity of the preservative treatment and the conditions of the warranty.



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. To search for your nearest participating retailer - scan the QR code opposite or visit www.qualitydecking.co.uk





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** treated softwood 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** treated softwood 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.

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.tanalisedtimber.co.uk or contact Arch Timber Protection - telephone 01977 714000



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 subsidence.



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 CO₂ from the atmosphere.

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 treated 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 Arch Timber Protection - www.tanalisedtimber.co.uk
- ✓ 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.

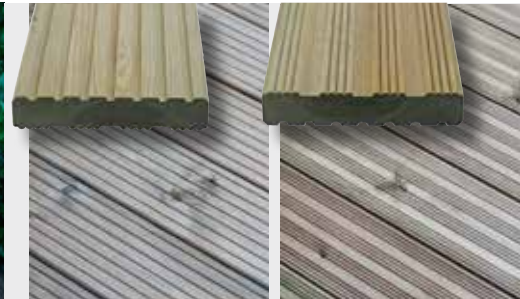


Treated Softwood Decking

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 tables on pages 38 and 39.



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** on page 12.



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 tables on pages 38 and 39. Versatile by design - see **Q-Grip Strip** on page 12.



Slip Resistant Treated Softwood Decking

Q-Grip Canterbury and York decking boards with **GripDeck®** Technology 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 decking boards with **GripDeck®** Technology 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 -page 23.



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



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

Q-Grip decking boards with **GripDeck®** Technology 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. When considering **Q-Grip** slip resistant decking products we advise you to consult both the planning and design guidance notes on pages 35-41 of this brochure and relevant information on-line at www.qualitydecking.co.uk



Q-Grip Canterbury decking boards with **GripDeck®** Technology used for a disabled access ramp.

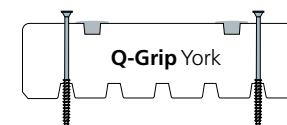
Detailed fitting instructions for **Q-Grip** decking with **GripDeck®** Technology are available as a separate document, downloadable from our website: www.qualitydecking.co.uk



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.





Bespoke Q-Grip Decking

Bespoke slip resistant decking with **GripDeck®** Technology 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** decking boards with **GripDeck®** Technology 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

Examples:



Bespoke **Q-Grip** hardwood decking



Bespoke **Q-Grip** Heavy Duty decking



Bespoke **Q-Grip** Heavy Duty decking

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.



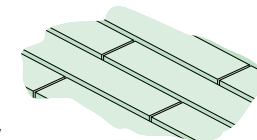
Bespoke Q-Grip Lunawood® Thermowood® Decking
26mm x 117mm (finished size after machining).
Minimum quantity 100 lm.



FITTING Q-DECK DECKING



- 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.
- 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 below.
- It is advisable to pre-drill pilot holes near the end of boards to avoid splitting.
- Decking board screw length should be 2.5 times the thickness of the decking board.
- 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.



Treated softwood decking 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 25 and **Q-Deck** hardwood on page 28. 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 treated softwood decking 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.

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 hot dipped to help avoid corrosion. We do not recommend the use of pneumatic nail guns to secure decking boards.

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



Adding Slip Resistance to Q-Deck Decking

Q-Grip Strip with **GripDeck** Technology 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.

Cutting Q-Grip Strips.

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 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 (centrally located in the groove to be filled). 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 or call our **Q-Deck** hotline on **0800 849 639**.

2 Check for any surface contaminants on the reverse of each **Q-Grip Strip** 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.

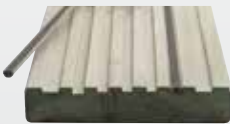
Note: If an end of a **Q-Grip Strip** doesn't 'pinch' sufficiently to allow it to be secured flush with the top of the groove, it is advisable to gently and temporarily secure it with a 4mm gauge 12-25mm long screw. You will need to pre-drill a pilot hole though the **Q-Grip Strip** using a small diameter 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).

To fit the strips to an existing deck the same process applies as detailed in points 1-3 (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**.



New Q-Deck Lunawood® accepts 2 **Q-Grip Strips** (see page 24).



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



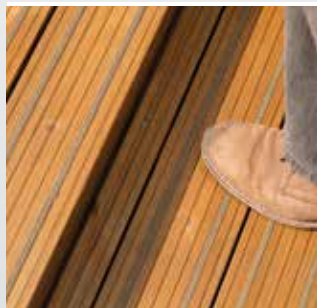
Q-Deck York accepts up to 5 **Q-Grip Strips**.



Fitting Q-Grip Strips.



Q-Grip Strips fitted into Q-Deck York



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

Q-Grip Strips in Q-Deck York (image right).

Fitting Q-Grip Strip

Q-Grip Strip with **GripDeck** Technology can be retro-fitted to existing decks where the decking has become slippery or to certain specific **Q-Deck** decking boards, 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 and 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.



1



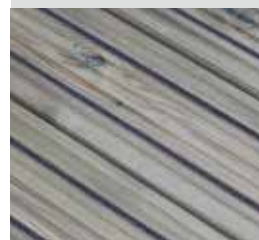
2



3



4



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**.





Most components are machined from slow grown and carefully selected softwood (Scots Pine) except for joists, 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 faint structural grading mark can be seen. They are C24 strength rated as standard.

Newel Posts

Available visually strength graded on application.

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

Colonial Newel **Use Class 3**
1500 x 85 x 85mm



Stop Chamfered Newel **Use Class 3**
1500 x 85 x 85mm



Classic Newel **Use Class 3**
1500 x 85 x 85mm

Long Classic # Newel **Use Class 4**
3000 x 85 x 85mm

Post Caps



Square Post Cap with rebate **Use Class 3**
120mm x 120mm x 27mm

Grand Post Cap with rebate **Use Class 3**
170mm x 170mm x 44mm



Ball & cap with connector **Use Class 3**

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



Grand Multi-purpose Post **Use Class 3**
117 x 117mm
C24 strength graded as standard
3.0m length



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**
900 x 41mm x 41mm



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



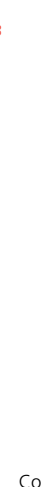
Multi-purpose Baluster **Use Class 3**
33mm x 33mm random lengths



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



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



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



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



Decorators Aluminium Powder Coated Balusters

Decorators Baroque Baluster 32" (approx 810mm) Black



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

Grand Multi-purpose Post Material with Grand Post Cap.



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** range 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 opposite 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
4800 x 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
4800 x 44 x 95mm
C24 Grade
Use Class 4



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

Multi-purpose*
Use Class 3
33mm x 33mm



* Component available in random lengths.
Available visually strength graded on application



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



Ready Made Balustrades

At 1800mm wide, these balustrades 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



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).

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



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 C24					✓			4
44 x 144mm	Multi-purpose C24					✓			4

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

Deck Support Posts

Available visually strength graded on application.



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



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

TOP tip 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.

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

FITTING Q-DECK PLUS BALUSTRADING



Detailed installation instructions are available as a separate document, downloadable from our website: www.qualitydecking.co.uk



Fitting Newel Posts



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 below and pages 20 to 22).

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 Balustrades

Q-Deck Plus 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.

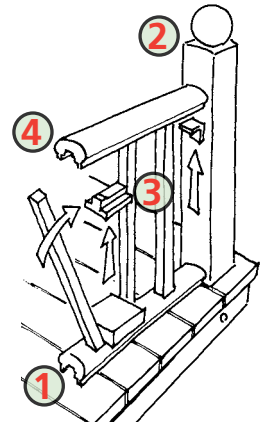
NB There is a 10mm height difference between the ready-made balustrade and the loose component built version..



Q-Deck-Tite handrail bracket.

... 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.

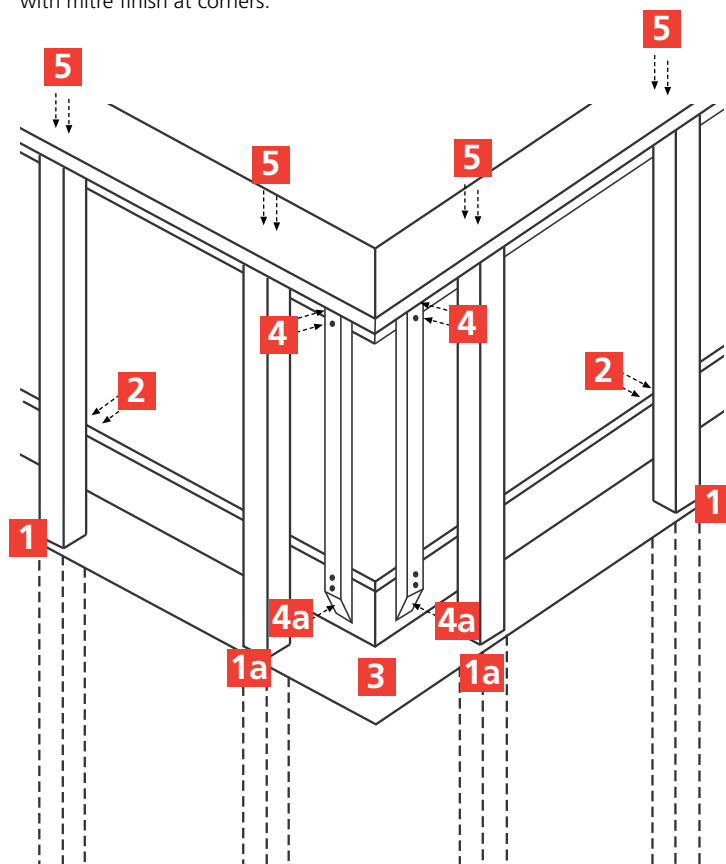


Using Q-Deck Multi-purpose Products

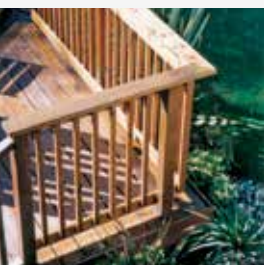
These can provide an easier, more solid construction option. Hand rail heights of 1100mm are easily achieved for high level decks.

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.

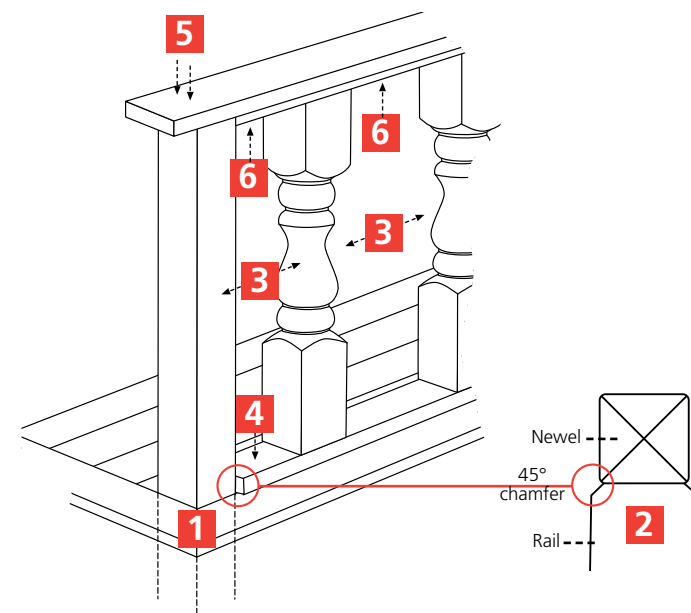


27 x 69 x 970mm flat chamfered spindle

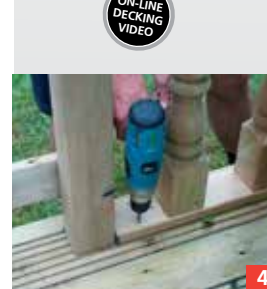
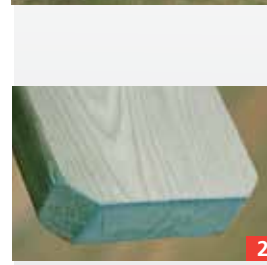


Using Q-Deck Plus Grecian Columns

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).





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.



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

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** treated softwood 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 normally be removed with a bathroom/kitchen scourer and proprietary deck cleaner or diluted household bleach.

Clean

Even treated softwood 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

A treated softwood 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** treated softwood products then pigmented Textrol® by Owatrol® is a protective coating to use after 12 months use. Water based stains are to be considered cautiously as the in-built water repellent within **Q-Deck** treated softwood 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 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.





Thermowood® Decking

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.



Q-Deck Lunawood® decking boards 26 x 117mm

- 20 year warranty against fungal decay and 30 year expected service life, as endorsed by the Building Research Establishment. Note: A condition of the 20 year **Q-Deck Lunawood®** Warranty is the use of Use Class 4 **Q-Deck** sub-frame components only - see page 5 for warranty advice.
- 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 for PEFC Chain of Custody.
- 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 Lunawood® foreground **Q-Deck Lunawood®** background. Both finished with Aquadecks® Teak by Owatrol®.



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



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



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



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



Please note **Q-Deck Lunawood®**

- Has a more knotty appearance compared to the **Q-Deck** 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.
- Is not suitable for use where it may be saturated with water or in ground contact.
- 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.
- Becomes slightly more acidic in nature, and therefore it is advisable to only use stainless steel fixings when building with it.



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

Fitting Q-Deck Lunawood® 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 **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 12 and 13.



3



4



5

Care and Maintenance of 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.

The use of a non-film forming penetrative protective coating is not a requirement of the **Q-Deck Lunawood®** 20 year Warranty but highly recommended. **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 Aquadecks® by Owatrol®. This non-film forming penetrative system helps protect against the greying effects of U.V. light whilst preserving the appearance of the wood. This system when used correctly should create a matt finish. The darker the colour the more the natural appearance of the wood is obscured.

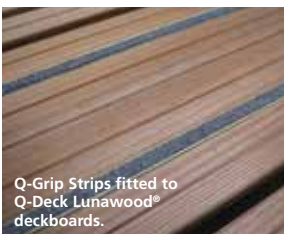
Regular cleaning of **Q-Deck Lunawood®** with Net-Trol® every 6-12 months is advisable. If finished with a protective coating then re-application of the coating should take place as and when required but for continually good results it is advisable to re-apply every 12 months.



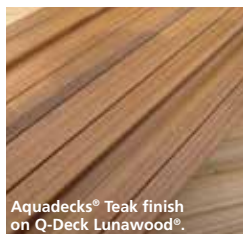
Q-Deck Lunawood® being cleaned with Net-Trol®.



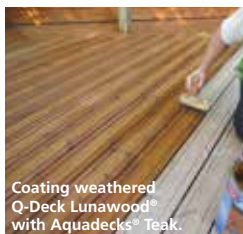
Weathered and cleaned Q-Deck Lunawood® finished with Aquadecks® Teak.



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



Aquadecks® Teak finish on Q-Deck Lunawood®.



Coating weathered Q-Deck Lunawood® with Aquadecks® Teak.



Garapa Hardwood Decking

Q-Deck Garapa hardwood decking is also known as Brazilian Ash.



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

- Sustainably sourced. **Q-Deck Garapa** hardwood 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.

See pages overleaf for fitting and maintenance advice.



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® clear decking oil.

Fitting Q-Deck Garapa Hardwood Deckboards

- Fit **Q-Deck Garapa** over joists set at 600mm centres maximum.
- Leave 8mm gaps between adjacent boards when fitting **Q-Deck Garapa**. 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: Over time the tannin can be washed out of **Q-Deck Garapa** and so 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 Garapa** hardwood deck.

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

Care and Maintenance of Q-Deck Garapa

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

For best results use your new **Q-Deck Garapa** 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 (clear matt finish) by Owatrol®.

It is advisable to repeat this process 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 **Q-Deck Garapa** hardwood decking to slow down the bleaching effect of UV light. Deks Olje D1 Pro® (honey tinted) and pigmented Textrol® are good non-film forming options that preserves the natural appearance of the wood.

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

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



Q-Deck Garapa hardwood - newly fitted.



Q-Deck Garapa hardwood
- no weathering.



Q-Deck Garapa hardwood
- 1 month weathering.



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.

The tannin content of **Q-Deck Garapa** hardwood makes it 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 are not 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. 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 and are available in a range of colours (however, the darker the colour the more the natural appearance of the wood is obscured).



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



Q-Deck Garapa hardwood - cleaned and re-treated
with Deks Olje D1 Pro® (Honey Tinted).





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.



506 Apricot Brown



503 Hazelnut Brown



504 Bark Brown



509 Riverstone Grey



522 Walnut



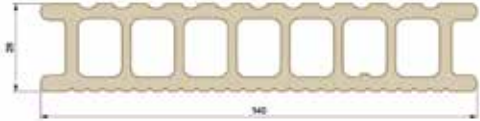
505 Turf Brown



502 Liquorice Black



510 Slate Grey



P9555 Composite Deck Board
28x140x4500mm/6000mm



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

- 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.



P2761 Twinson® Starter Rail
3000mm



P9483 Twinson® Fixing Bracket
with screws (Packs of 100)

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.



Sands Restaurant, Southend

Q-Deck Twinson® Apricot Brown



Restaurant Project

Q-Deck Twinson® Riverstone Grey



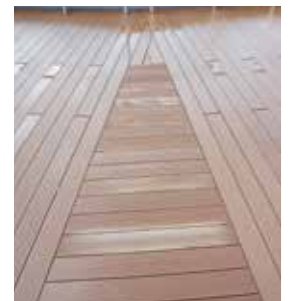
Private Residence, Spain

Q-Deck Twinson® Liquorice Black



Oakhurst School, Swindon

Q-Deck Twinson® Apricot Brown





Fitting Advice for Q-Deck Twinson® Composite Decking System

Here is a quick pictorial guide to fitting Twinson® decking.

Q-Deck Twinson® decking can be fitted to a standard timber deck sub-frame and a selection of aluminium Twinson® components.

For flat and uniform surfaces (roof terraces and the like) the **Q-Deck** 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.

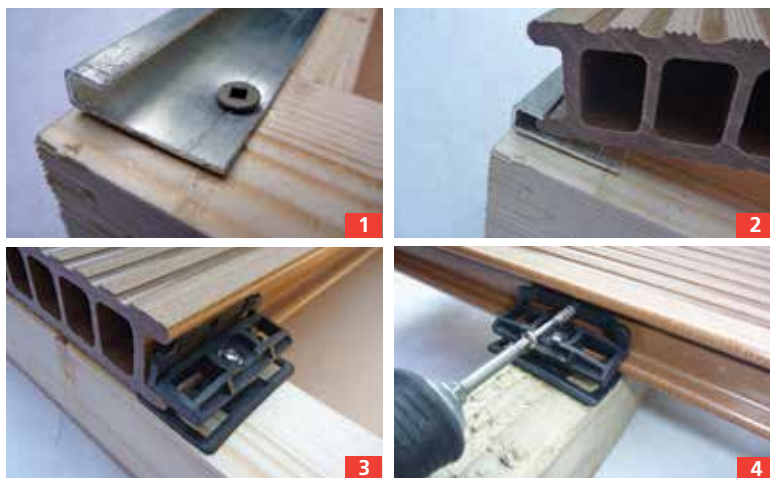
The **Q-Deck** Twinson® clip ensures a 6mm gap between boards. It is advisable to maintain this expansion gap between joints such as mitres, around newels. **Q-Deck** Twinson®, unlike wood, expands along its length, so in certain applications a greater expansion gap may be required, ie. allow a 20mm 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 **Q-Deck** 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 **Q-Deck** 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 Q-Deck Twinson® acclimatise on site for a few days prior to fitting.

For information on timber sub-frame construction please refer to pages 37 to 39.

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.

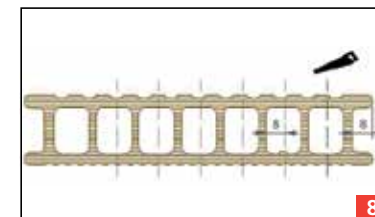


Central screw, expansion left and right.

Scan the QR code or visit www.qualitydecking.co.uk for detailed fitting advice.



Screw at end, expansion all to right.



Twinson® F Section with Twinson® Plinth under



Cleaning Q-Deck Twinson® Composite Decking System

After your **Q-Deck** Twinson® deck has been finished it is advisable to give it a quick wash down with water. This will help remove manufacturing dust that is often still present at this stage. As a result of the heavy brushing process in the manufacture of **Q-Deck** Twinson® a lot of dust is created and a certain amount of the dust stays on the product. When cleaning the material for the first time it is normal to witness coloured dust on any cleaning materials. Note: It is not dye leaching from the material.

It is always best to remove any dirt or marks as soon as possible, using water, mild cleaner and a sponge. In most cases your **Q-Deck** 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.

Even composite decking can start to look grubby and tired if not cleaned regularly. To re-juvenate the original colour shade we recommend the use of Compo-Clean® by Owatrol®. If you would like to revitalise a grey or brown shade then consider Compo-Care® by Owatrol®.

Download the **Q-Deck** Twinson® Composite Decking System guide for further cleaning advice at www.qualitydecking.co.uk/technical.php.





Q-Deck Plus Frameless Glass Balustrade System



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 for the experienced tradesperson.
- 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 purchasers within mainland England (price on application for deliveries to Devon & Cornwall) and Wales. It is the purchasers responsibility to ensure that two able bodied people are organised to receive delivery of the glass panels.

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 5-10mm space between panels and 10mm at ends that butt against a wall.
- 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

Scan the QR code opposite or visit www.qualitydecking.co.uk/technical.php for detailed fitting advice.



HOW TO DESIGN & BUILD A DECK

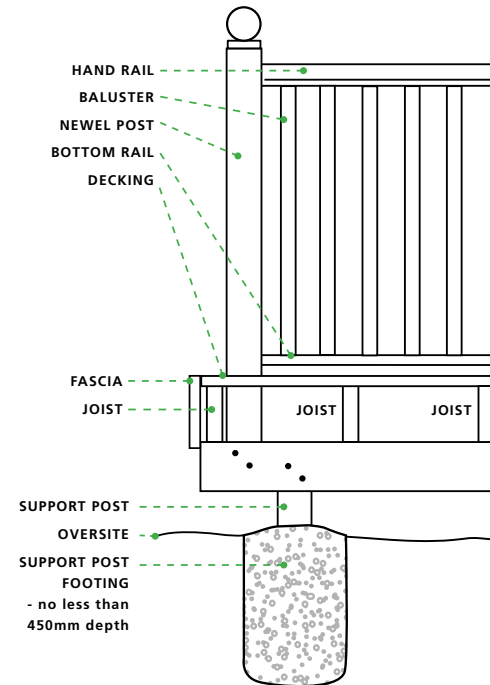
Glossary of Terms

Above the Subframe

- DECKING** The floorboards or decking 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.

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 16).
- 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 decking.
- 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.



Before You Start Planning



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 planning rules 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 property owners should satisfy themselves as to whether planning regulations apply to their proposed structure. Planning permission is 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.

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).

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.



Note: 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.



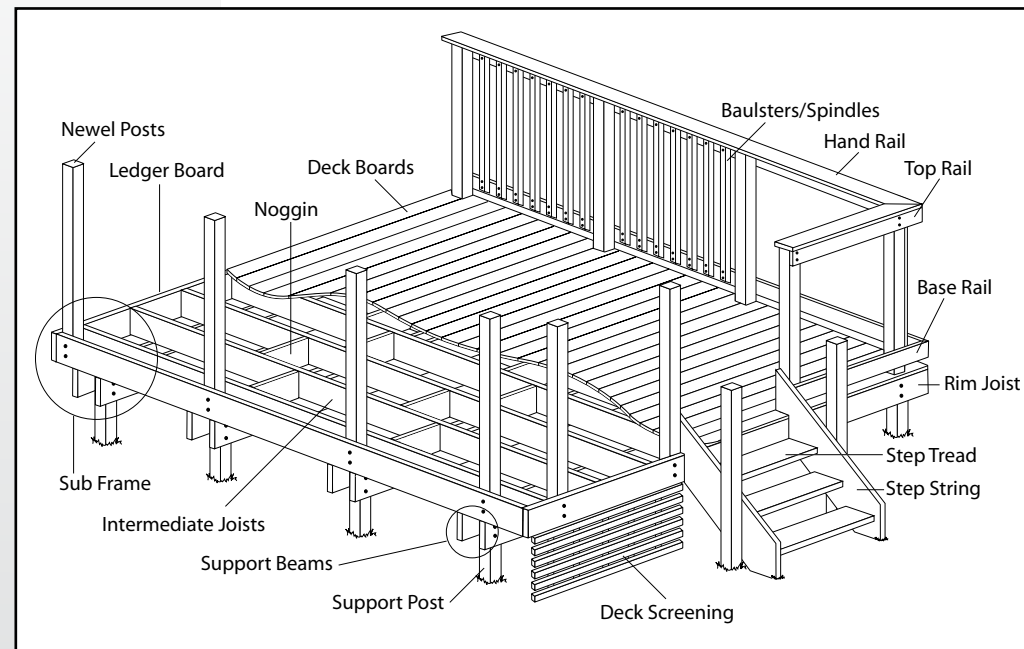
Detailed planning and designing instructions are available as a separate document, downloadable from our website. Scan the QR code below or visit: www.qualitydecking.co.uk



When Designing A Deck

Be sure to use/specify components of the correct Use Class - see glossary on page 35 and page 6 for an explanation of this term and further information 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. Further details can be found at www.qualitydecking.co.uk



Choose the direction you wish to lay the decking boards - this will establish joint direction.



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

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

Joist Spacing (centres)

Joist and Decking Board Spacing Guidance

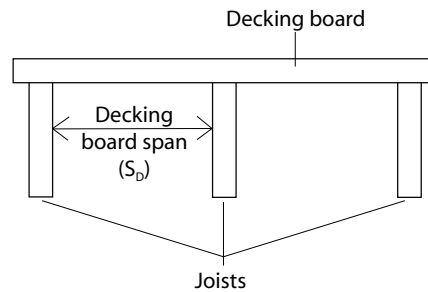
The table opposite shows figures for domestic applications (uniformly distributed load 1.5kN/m²) and commercial applications (uniformly distributed load 4.0kN/m²).

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 decking boards

Deck board size (mm)	Joist centres (mm) for C16 grade joists - S _B		Description
	1.5kN/m ² - Domestic	4.0kN/m ² - Commercial	
20.5 x 95	300	-	Cambridge
21 x 145	600	400	Garapa
26 x 117	500	300	Lunawood®
27 x 144	500	400	Winchester, Canterbury
28 x 140	500	350	Twinson®
33 x 120	600	500	York



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.

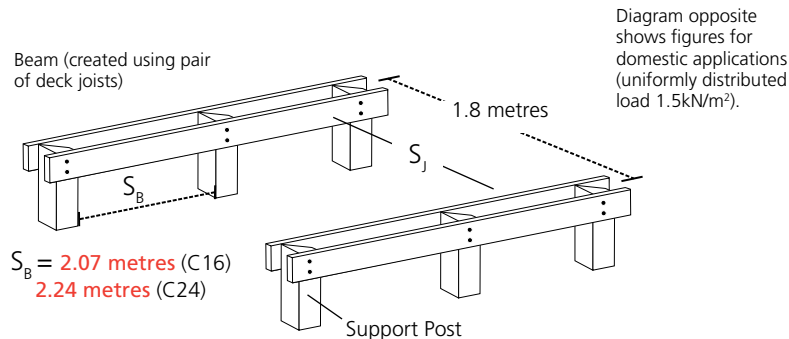


Diagram opposite shows figures for domestic applications (uniformly distributed load 1.5kN/m²).

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 ² Joist centres (mm)			Imposed load 4.0 kN/m ² Joist centres (mm)		
	400	500	600	400	500	600
width depth	Maximum clear joist span S _J (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/m² - domestic applications (single occupancy) 4.0kN/m² - commercial applications (dining areas, cafes, restaurants, balconies)

Table B: Double member beam spans - Strength Class C16

Beam size (mm)	Imposed load 1.5kN/m ² Beam centres (mm)				Imposed load 4.0 kN/m ² 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 _B (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 ² Joist centres (mm)			Imposed load 4.0 kN/m ² Joist centres (mm)		
	400	500	600	400	500	600
width depth	Maximum clear joist span S _J (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/m² - domestic applications (single occupancy) 4.0kN/m² - commercial applications (dining areas, cafes, restaurants, balconies)

Table B: Double member beam spans - Strength Class C24

Beam size (mm)	Imposed load 1.5kN/m ² Beam centres (m)				Imposed load 4.0 kN/m ² Beam centres (m)			
	1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
width depth	Maximum clear beam span S _B (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	Cambridge 100mm cover	Q-Deck Lunawood® 123mm cover	York 125mm cover	Canterbury/ Winchester 150mm cover	Garapa 153mm cover	Twinson® 146mm cover
1	10m	8.1m	8m	6.7m	6.6m	6.85m
2	20m	16.2m	16m	13.4m	13.2m	13.7m
3	30m	24.3m	24m	20.1m	19.8m	20.6m
4	40m	32.4m	32m	26.8m	26.4m	27.4m
5	50m	40.5m	40m	33.5m	33m	34.2m
10	100m	81m	80m	67m	66m	68.5m
15	150m	121.5m	120m	100.5m	99m	102.8m
20	200m	162m	160m	134m	132m	137.0m

Fixings per m ² - Domestic	67	17	27	27	22	14
Fixings per m ² - Commercial	-	27	32	34	33	20

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.
Fixings relate to the approximate number of screws, or in the case of Lunawood® and Twinson® - clips, required per m².

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

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



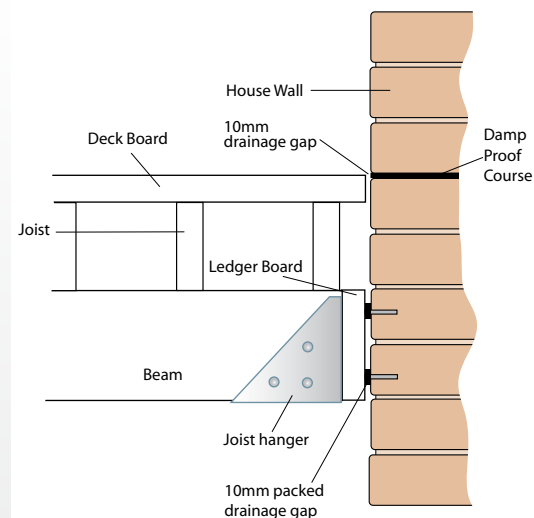
Fig (i) Boards placed at right angles to pedestrian traffic.



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** decking boards. Please refer to the product pages 8 and 9 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, where the wall is susceptible to penetrating damp, it is advisable to keep the deck height at least two brick courses below DPC.

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.



Step frame set on compacted hardcore and weed barrier.



Q-Grip York decking.



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



Q-Grip Strip in Q-Deck Lunawood® decking.

4 Subframe Examples

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 decking 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 decking 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 decking 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 decking boards if balustrading is not required.



Detailed installation instructions are available as a separate document, downloadable from our website.

Scan the QR code below or visit:

www.qualitydecking.co.uk



Quick Guide to Raised Decking

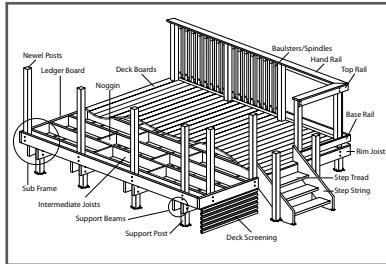
The following series of photographs shows a typical construction of an elevated deck over a sloping site.



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....

Quick Guide to Raised Decking

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 decking boards....



....fixing the decking boards throughout the deck....



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



....fixing the balustrades....



....the completed deck....



....time to relax....



OUTDOOR WOOD PRODUCTS

ISSUE 2 | JUNE 2015



TREATED SOFTWOOD SCREENING AND CLADDING



THERMOWOOD®



SOFTWOOD AND HARDWOOD GATES













PRE-PAINTED CLADDING

Cladding, Landscaping & Gates

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QUALITY TIMBER PRODUCTS

	 High quality pre-painted timber cladding products.	CLADDING	3
	 NEW Q-Clad pre-stained featheredge cladding.		6
	 High quality Thermowood® cladding products.		8
	 High quality treated softwood cladding and landscaping sleepers.	LANDSCAPING	10
	 High quality softwood and hardwood gates. Handmade to order. Hints, tips and advice.		GATES
Fitting cladding advice			17



All products now available to buy online locally. To search for your nearest participating retailer visit www.qualitydecking.co.uk

Downloadable warranty information can now be found on our website. Scan the QR code or visit www.qualitydecking.co.uk for the latest information on our products and warranties.

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



Q-Clad Pre-painted Exterior Timber Cladding



- Kiln dried quality Scandinavian whitewood.
- **Q-Clad** claddings are manufactured from certified timber and available PEFC or FSC® certified on request. Please enquire with your retailer if Chain of Custody is required.
- 15 year warranty (see page 2).
- 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.
- **Q-Clad** products have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

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 appearance only timber can provide.

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 15 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.

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.

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 (satin finish is the closest match) or similar high quality waterborne microporous systems.



Q-Clad pre-painted rebated featheredge timber cladding.



Pre-Painted Featheredge Timber Cladding



Pre-painted Black Featheredge Cladding (one coat)
Use Class 3
 (also known as Essex black barn featheredge)
 24mm thick edge x 6mm thin edge x 175mm (covers 140mm)
 (thickness dimensions can vary by +/-0.5mm, width dimensions can vary by +/-2.0mm).
 Fine sawn finish with one coat of black paint. Lengths 3.6m & longer. Supplied bundled with protective packaging.



Pre-Painted Rebated Featheredge Timber Cladding



Pre-painted White Featheredge Cladding Rebated (2 coats) **Use Class 3**
 (also known as pre-painted weatherboarding)
 23mm thick edge x 6mm thin edge x 174mm (covers 155mm)
 (thickness dimensions can vary by +/-0.5mm, width dimensions can vary +/-1.0mm).
 Fine sawn finish with one stain resistant primer coat and one top coat of white paint. Sharp edges removed. Lengths 3.6m & longer. Supplied bundled with protective packaging.



Pre-painted Black Featheredge Cladding Rebated (2 coats) **Use Class 3**
 (also known as pre-painted weatherboarding)
 23mm thick edge x 6mm thin edge x 174mm (covers 155mm)
 (thickness dimensions can vary by +/-0.5mm, width dimensions can vary +/-1.0mm).
 Fine sawn finish with one primer and one top coat of black paint. Sharp edges removed. Lengths 3.6m & longer. Supplied bundled with protective packaging.





Pre-stain Technology

Adding colour to outdoor wood.

NEW Q-Shades is a tried and tested pre-stain technology prior to preservative treatment.

Q-Shades is a unique pigmented water based coating, available in semi-transparent black, brown and grey shades, designed to work specifically with Tanalith® E wood preservative. The coating is a simple and quick factory controlled application prior to a standard Tanalith® E high pressure preservative treatment making finished products great value for money.

Q-Shades provides a consistent coverage and durable performance on rough sawn or planed timbers. The **Q-Shades** colour is designed as a superior colourant system typically lasting 3-5 seasons depending upon each installation and its exposure to wind, rain and ultra-violet (UV) light. **Q-Shades** weathers gracefully, a process that is even and natural. The result - all the assured long term preservative performance of our treated timbers with a durable and easy to maintain colour coating that still allows the beauty of the wood grain to show through.

Initially, **Q-Shades** will be applied to **Q-Clad** sawn featheredge cladding as an alternative to the already established pre-painted black variety on page 4. The technology is also suitable for use with the majority of the Q-range of products including planed timbers such as decking. So keep an eye out for the arrival of new coloured wood products soon by visiting www.qualitydecking.co.uk



Pre-stained Exterior Timber Cladding

- Fine sawn semi-translucent colour options - black, grey and brown.
- The finish retains the natural looking grain of the timber.
- Consistent colour coverage.
- Durable performance with excellent colour retention for 3-5 seasons.
- Kiln dried quality treated softwood with a 15 year warranty (see page 2).
- Manufactured from certified timber and PEFC or FSC® available on request. Please enquire with your retailer if Chain of Custody is required.
- **Q-Clad** products have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

Pre-stained black or grey featheredge cladding (one coat). Also available to order in brown.

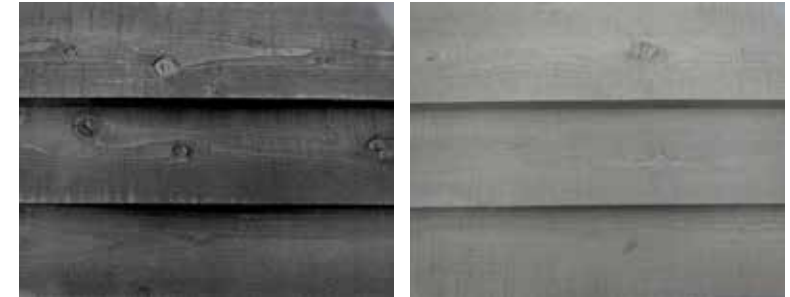
Use Class 3
(suitable for use as barn featheredge) 24mm thick edge x 6mm thin edge x 175mm (covers 135mm)

(thickness dimensions can vary by +/-0.5mm, width dimensions can vary by +/-2.0mm).

Fine sawn finish with one coat of **Q-Shades**. Lengths 3.6m & longer.



For fitting advice see pages 17-19. Note **Q-Clad** pre-stained cladding is supplied at a higher moisture content (more damp) than the pre-painted variety meaning adjacent boards should be overlapped slightly more when fitting it. After fitting it simply leave **Q-Clad** pre-stained cladding to mellow and weather gracefully or alternatively once suitably dry apply water based stain or paint of your choice (this is not a requirement of the warranty).



Care & Maintenance

The colour pigments in **Q-Shades** will protect the timber from the effects of UV exposure. Like all colour systems it will lighten with age and exposure to the elements, which varies according to the local climate. However the effect will be gradual and consistent on similar exposed surfaces. Please note that south facing elevations may lighten quicker than north facing due to greater exposure to the elements. Colour is a subjective matter and depends on personal preference.

The **Q-Shades** original colour can be revived by applying a brush-on wood stain typically after 2-3 years. Always follow the coating manufacturer's instructions.

Top section of photo: **Q-Shades** colours on rough sawn Spruce. (not subjected to accelerated weathering test).



Bottom section of photo: **Q-Shades** colours after 2000 hours accelerated laboratory weathering test (equivalent to approximately 24 months exposure to real weathering).



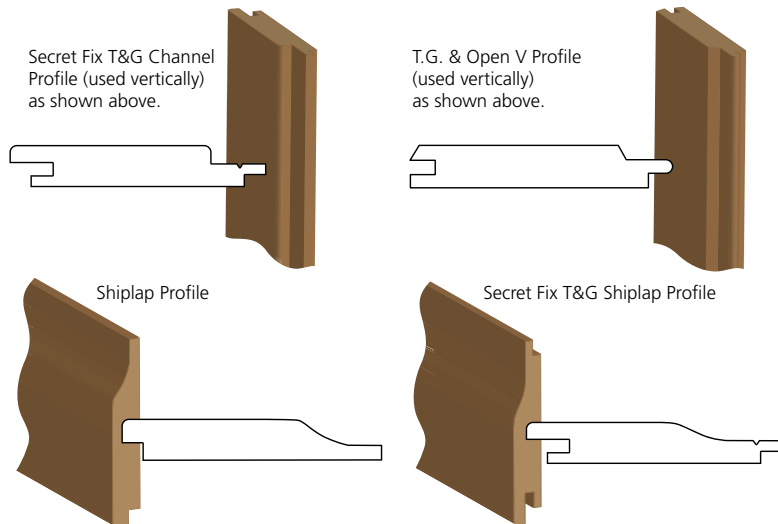
Thermowood® Cladding

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 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 2 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** products have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).



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



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



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 Aquadecks® by Owatrol®. This non-film forming penetrative system helps protect against the greying effects of U.V. light whilst preserving the appearance of the wood. This system 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.
- 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.



For fitting advice see pages 17-19.



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. (Excluding all gates).
- **Q-Garden** products come with a warranty against decay and insect attack. (See page 2 for warranty details).
- **Q-Garden** products are manufactured from certified timber and available PEFC or FSC® certified on request. Please enquire with your **Q-Garden** retailer if Chain of Custody is required.
- **Q-Garden** claddings have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

Treated Landscaping Sleepers



Timber-Tite countersunk versus proud hex head.



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



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



Treated 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



12mm x 120mm (covers 110mm) x random lengths Shiplap Use Class 3



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



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



Q-Garden Multi-purpose screening Use Class 3 3600 x 27 x 69mm



Q-Garden Multi-Purpose screening comes in 3.6m 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 16 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 11 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.





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, naturally durable 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 2 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 painted 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.

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 ▲



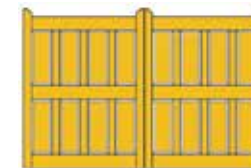
Reverse face of Woburn



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.

Single Leaf Garden Gate Sizes

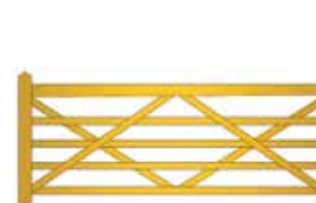
In principle **Q-Garden** Garden gates are available in the following sizes.

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

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 5½ft (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)	✓	✓	✓	✓	✓	✓	✓

Other items available when ordering Q-Garden gates

(not available separately):

- A range of four way weathered sawn softwood pre-treated posts
- A range of four way weathered sawn Oak posts
- 2100 x 70 x 144mm softwood wall plate
- 70 x 190mm and 70 x 110mm Solid bottom rails to house automation kit for driveway gates and field gates respectively.



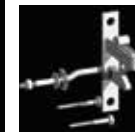
Without solid rail bottom.



With solid rail bottom.

Other metal accessories:

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



For more information please go to www.qualitygardentimber.co.uk

Sawn Oak posts.



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



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 2 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.

If you leave your gates untreated, the effects of rain, wind and ultra violet light will increase the deterioration of the untreated wood. 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 is not 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.

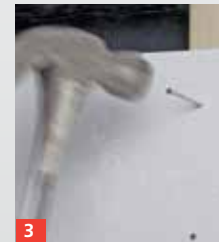
Finally, keep your **Q-Garden** gate free from the build-up of organic matter.



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



Q-Clad-Tongue Tite stainless steel cladding screws.



Fitting Q-Clad and Q-Garden Cladding

For more information about fitting **Q-Clad** timber cladding scan the QR code opposite or visit www.timber-cladding.co.uk



- Boards should be fitted to studs or battens at ideally 400mm centres (not more than 600mm) and where joined 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 do not 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** black featheredge as the boards overlap and 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 will not 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-Garden** 44mm loglap a longer nail or screw should be used (minimum 63mm).

- When fixing 175mm **Q-Clad** 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.

- Any cuts to the **Q-Clad** 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** 15 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.



6 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®** as it is inherently more brittle than unmodified timber. Making the nail head blunt can also serve to minimising splitting.

7 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.

8 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 paints are acceptable, such as those by Sikken's.

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 do not 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 in warm and dry weather conditions with inadequate ventilation then the moisture content must be assessed and controlled first. 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 9.

9 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.

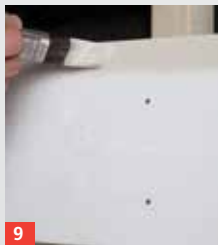
10 Q-Garden claddings have water repellent properties as they are preservative pre-treated with **Tanalith® E Extra** providing the timber with an extra level of protection.

If you intend to stain or paint **Q-Garden** claddings please note that water based stains/paints are to be considered cautiously because the in-built water repellent within **Q-Garden** claddings may affect adhesion.

11 Q-Clad pre-painted cladding 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.

12 Q-Garden cladding is supplied preservative pre-treated to order. In principle it should be allowed to become touch dry before fitting, otherwise the affects of shrinkage may become apparent in situation.

13 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.



14 Q-Clad pre-stained cladding differs from the pre-painted equivalent in that it is preservative pre-treated and therefore supplied at a slightly higher moisture content. Ideally boards should be touch dry before fitting. If fitted while still damp then adjacent boards should be overlapped slightly more to accommodate for more shrinkage than would usually occur. If you intend to over-paint or stain pre-stained cladding then it is advisable to wait until a few days of warm dry weather have passed after fitting. The cladding should now be touch dry minimising the chance of shrinkage affecting the appearance of the chosen finish.

Note: We cannot guarantee that white **Q-Clad** pre-painted 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

Cladding Coverage

	120mm shiplap cladding	144mm shiplap cladding	95mm loglap cladding	144mm loglap cladding	175mm pre-stained Q-Shades featheredge covers	175mm pre-painted featheredge cladding covers	174mm pre-painted rebated featheredge covers
m ²	covers 110mm	covers 135mm	covers 85mm	covers 132mm	covers 135mm	covers 140mm	covers 155mm
1	9.1	7.4	11.8	7.6	7.4	7.1	6.5
2	18.2	14.8	23.6	15.2	14.8	14.2	13.0
3	27.3	22.2	35.4	27.8	22.2	21.3	19.5
4	36.4	29.6	47.2	30.4	29.6	28.4	26.0
5	45.5	37.0	59.0	38.0	37.0	35.5	32.5
10	91.0	74.0	118.0	76.0	74.0	71.0	65.0
15	136.5	111.0	177.0	114.0	111.0	106.5	97.5
20	182.0	148.0	236.0	152.0	148.0	142.0	130.0

Approx fixings per m² (600mm support batten centres)

Thermowood® Cladding Coverage

	shiplap covers 107mm	secret fix shiplap covers 97mm	secret fix channel covers 97mm	T.G. & Open V covers 107mm
m ²				
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

Approx fixings per m² (600mm support batten centres)