



Quality Decking Products
and how to build a deck advice
qualitydecking.co.uk



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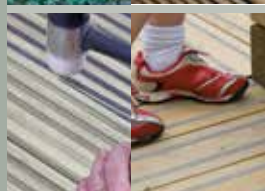
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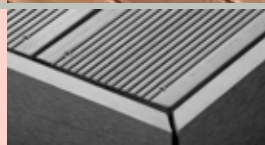
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Fitting, care and maintenance advice.



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Why Have a Deck?



To enjoy a sun trap



Extra 'pub' space, extra clients



Swimming pool/jacuzzi



For dining outdoors



Extend your living/play space



Contemporary living



Enjoy your garden



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

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Better Choice, Better Quality, Better Job

BETTER LOOKING, SMOOTHER FINISH

Hoppings treated softwood products are machined from slow grown, quality softwood.

More consistent and less waste.

Hoppings **Q-Deck** treated softwood decking boards are hand selected during manufacture.

ENVIRONMENTAL ASSURANCE

Hoppings treated softwood products are manufactured from certified timber and available PEFC or FSC® certified on request.

Q-Grip York and Canterbury decking boards are manufactured from and supplied as FSC® certified timber as standard. **Q-Deck** Lunawood® and **Q-Deck** Bangkirai are supplied PEFC certified as standard.



SAVE TIME AND EFFORT

Use **Q-Deck Plus** ready-made sections of balustrading.

EXTRA PROTECTION AND PEACE OF MIND

Hoppings treated softwood products are preservative pre-treated with a built-in water repellent additive (*Use Class 3 deck joists and autumn brown coloured Q-Shades products without water repellent*).

Hoppings treated softwood products come with a 15 year warranty against decay and insect attack.

INDEPENDENTLY QUALITY ASSESSED

Hopping treated softwood products have DeckMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

PERFORMANCE RATED PRODUCTS

3 products have DeckMark Plus certification - **Q-Grip** York and **Q-Grip** Canterbury treated softwood decking and SmartBoard wood plastic composite decking (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 accordance with BS7976 and provide a low risk of slip under classifications set out by the Health and Safety Executive and UK Slip Resistance Group 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



Tanalised EXTRA
PRESSURE TREATED TIMBER
WITH BUILT-IN WATER REPELLENT



Reg. Firm No. 0325



Q-Grip - No.0325(+)



BETTER CHOICE

The Hoppings range of decking includes decking in many varieties: treated softwood (including pre-stained), anti-slip (in treated softwood and hardwood), thermally modified (Thermowood®), hardwood and **NEW** for 2017 SmartBoard solid core wood plastic composite decking in grey and brown.

LOCAL SERVICE

Hoppings Quality Decking products are available to buy from a UK network of knowledgeable third party retailers. Over 230 timber and builders merchants stock at least one style of **Q-Deck** treated softwood decking and can order in any other product from the full range of products at short notice. The network of retailers pride themselves on providing a great local service.

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 '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 our treated timber components must be protected with a suitable brush-on end grain preservative (eg. Ensele/Ronseal end grain preserver) 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.

FIND YOUR NEAREST RETAILER

To search for your nearest retailer of Hoppings Quality Decking products, some of whom also offer the convenience of ordering products online, scan the QR code opposite or visit qualitydecking.co.uk/find-a-stockist



Treated Timber Decking - What to Expect

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 Hoppings treated softwood decking 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 Hoppings treated softwood decking products and dark stains/coatings/shades 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 Hoppings treated softwood decking products, climatic changes cause the wood to continually shrink and swell in service and in turn this movement may vary from piece to piece.

When **Q-Shades** treated timbers are still wet or re-wetted when in situ, any excess surface colour

wash can be prone to transfer when rubbed, especially after wetting. In particular this needs to be considered for timbers used in more accessible and regularly touched environments. If this is a concern an appropriate clear brush-on water repellent or sealing product, can be applied such as Hickson Decor Waxcoat. However, bear in mind that this will hinder the choice of coating if subsequent rejuvenation of the original colour is required in the future.

The process of preserving **Q-Shades** timbers also adds an element of colour to the final products. This means that the subtle green tones of Pebble Grey coloured products will diminish over a period of 12-24 months, slowly appearing more grey during this period before weathering gracefully thereafter. Autumn Brown coloured products will lose their initial deep lustre over 6-12 months before also weathering gracefully thereafter.

When **Q-Shades** treated timbers are new, naturally occurring resins can become deposited on the surface of the wood and may appear light blue in colour. This is a feature of the reaction of the high pressure preservation process and the resin present in the wood and does not affect the performance of the product. The light blue colouration of resinous areas is most apparent around knots and resin pockets but can also occur in sapwood areas of the product. The light blue colouration of resinous areas diminishes with exposure to U.V. light and the elements and should become indistinguishable after 3 to 6 months. In very resinous batches of timber the blue colouration can appear spotted/mottled in sapwood areas of the product. During periods of hot weather resin may mobilise and bleed through onto the surface of the product. In the event this happens and is cause for concern, allow the resin to form a crust and scrape away; repeat if necessary.

Q-Shades can be overpainted or stained using a high performance water based stain or paint of your choice, such as Sadolin, Sikken or Bedec. However, on areas of the cladding where there is evidence of the light blue surface deposit mentioned above it is wise to delay application for 4-6 weeks until they have diminished and any such surface contaminants can be removed with a stiff nylon brush. Always follow the coating manufacturer's recommendations.

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. Hoppings treated softwood decking products are treated to Use Class 3, with certain ground contact components treated to Use Class 4. Where components are to be used in ground contact we strongly advise the use of Use Class 4 treated timber.



Use Class 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.

For further information on Tanalised E/ Tanalised Extra treated timber, visit www.tanalisedtimber.co.uk or contact Lonza Wood Protection - telephone 01977 714000



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



End Grain Preservative

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



Slip Resistance

Q-Grip deckboards are tested to BS 7976-2:2002, to provide a low risk of 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, 59 pendulum test value; **Q-Grip** Canterbury, 61 pendulum test value.

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 Lonza Wood 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 40 and 41.



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 15.



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 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 40 and 41. Versatile by design - see **Q-Grip Strip** on page 15.





Colour Washed Decking

Adding a durable colour wash to your preservative treated outdoor timber decking.

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

- Fresh and exciting colour option for cladding and decking timbers.
- Pre-stained translucent colour wash, available in **grey** and **brown** from stock and **black** to order.
- Durable colour performance of up to 2-5 years*.
- Assured long term TANALITH preservative protection built-in (15 year Warranty against fungal decay and insect attack).

Q-Shades is a unique pigmented water based coating, available in semi-transparent black, brown and grey shades, designed to work specifically with next generation TANALITH wood preservative. The coating is a simple and quick factory controlled application prior to a standard TANALITH high pressure preservative treatment, making the 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 up to 2-5 years*, up to 2 years in a horizontal situation and up to 5 years in a vertical situation - 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.

Being a translucent matt finish **Q-Shades** allows the original beauty of the wood to show through providing an appealing organic look with subtle degrees of colour variation, the reason why we chose to call them Pebble Grey and Autumn Brown.



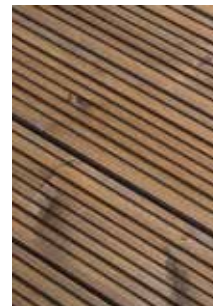
Q-Shades Pebble Grey Canterbury

Use Class 3

27mm x 144mm (finished size after machining).

This deck board can be used smooth or grooved side uppermost.

Recommended fixing: **Q-Shades** 63mm colour coordinated stainless steel decking screws.



Q-Shades Autumn Brown Canterbury

Use Class 3

27mm x 144mm (finished size after machining).

This deck board can be used smooth or grooved side uppermost.

Recommended fixing: **Q-Shades** 63mm colour coordinated stainless steel decking screws.





Our **Q-Grip** slip resistant decking boards are tested in accordance with BS7976 parts 1&2 and provide a low risk of slip under classifications set out by the Health and Safety Executive and the UK Slip Resistant Group. These boards will still require cleaning as detailed in the deck maintenance section - page 24.



Q-Grip Canterbury decking boards used for a disabled access ramp.

Detailed fitting instructions for **Q-Grip** decking are available as a separate document, downloadable from our website:

www.qualitydecking.co.uk



Slip Resistant Treated Softwood Decking

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



Q-Grip Slip Resistant Canterbury

Use Class 3
27mm x 144mm (finished size after machining).
Pendulum test value 61



Q-Grip Slip Resistant York

Use Class 3
33mm x 120mm (finished size after machining).
Pendulum test value 59

Q-Grip decking boards 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 37-43 of this brochure and relevant information on-line at 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

For sizeable deck projects we can design and produce bespoke **Q-Grip** slip resistant decking products. Please consult your Hoppings Quality Decking retailer who will pass the enquiry onto Hoppings Softwood Products for consideration.



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 linear metres.



Bespoke Q-Grip Lunawood Thermowood® Decking

26mm x 117mm
Minimum quantity 100 linear metres.



NEW Colour Washed Slip Resistant Decking



Q-Shades Slip Resistant Canterbury Decking - Pebble Grey

Use Class 3

27mm x 144mm (finished size after machining).

Recommended fixing: **Q-Shades** 63mm colour coordinated stainless steel decking screws.



Q-Shades Slip Resistant Canterbury Decking - Autumn Brown

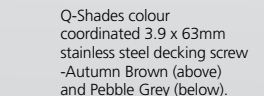
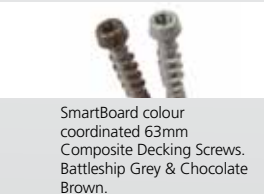
Use Class 3

27mm x 144mm (finished size after machining).

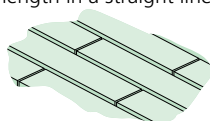
Recommended fixing: **Q-Shades** 63mm colour coordinated stainless steel decking screws.



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 27 and **Q-Deck** hardwood on page 30. 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, 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. Timber can also be cut and sanded more easily when dry. Note: If boards are allowed to fully dry out prior to fitting, the gap between boards should be increased to 9mm to allow subsequent expansion in wetter seasons.

Fixings

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



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



Q-Deck Tite Plus stainless steel decking screws.



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



Q-Clad Tongue Tite Plus stainless steel cladding screws.

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

If galvanised fixings are used they should be hot dipped to help avoid corrosion. We do not recommend the use of pneumatic nail guns to secure decking boards.



No.0325(+)



Q-Deck Lunawood® accepts 2 **Q-Grip Strips** (see page 15).



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



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



Q-Shades Canterbury accept 2 **Q-Grip Strips**.



Adding Slip Resistance to Q-Deck Decking

Q-Grip Strip is a versatile retro-fit solution to minimise the risk of slip associated with a slippery deck. It can be fitted to either new grooves made to existing deckboards or to the grooves on **Q-Deck** boards detailed left. When used in conjunction with **Q-Grip Strip**, our Canterbury, York, Lunawood® Thermowood® and new **Q-Shades** Canterbury 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.



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 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.





Cutting Q-Grip Strips.



1



2



3



4

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** does not '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**.



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.



Grand Multi-purpose Post Material with Grand Post Cap.



Faint glue lines and fingerjointing are visible on Q-Deck Plus Multi-purpose posts.



Q-Deck Plus engineered Multi-purpose post.



Q-Shades Autumn Brown Multi-purpose post.



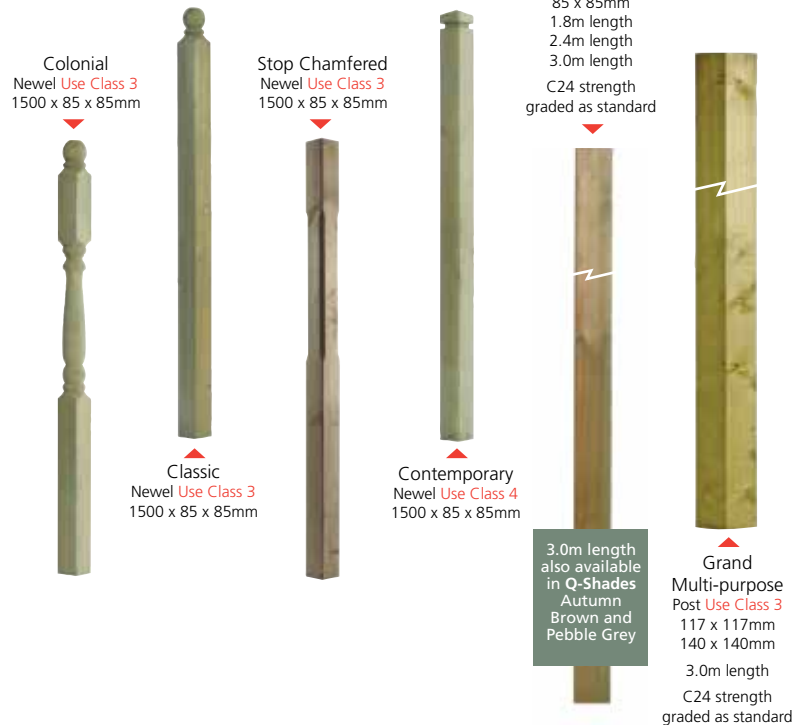
Q-Shades Pebble Grey Multi-purpose post.

Q-Deck Plus components are machined from slow grown and carefully selected softwood (Scots Pine) except for stair string material which is from whitewood (Picea Abies).

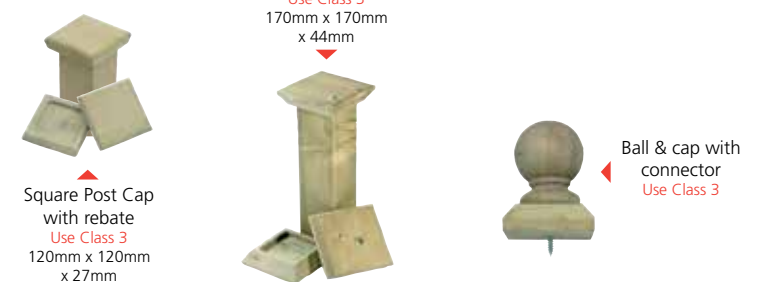
Our Multi-purpose posts are made from engineered timber - this means faint glue lines can be seen where the sections of wood have been laminated and finger-jointed together. This type of engineered timber is generally a lot straighter, less likely to suffer from surface splitting known as shake and comes C24 strength graded as standard.

Newel Posts

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



Post Caps





Spindles and Screening

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



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



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



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



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



Deck Screening

Multi-Purpose screening comes in long lengths and can be cut to length as required to create privacy screening. It provides a 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 Multi-Purpose posts should be placed at approximately 1200mm centres to support the screening (preferably no greater).



Q-Garden Screening
(not stained)
Use Class 3 27 x 69mm
3.6/3.9m lengths



Q-Shades Colour Washed Screening
Pebble Grey and Autumn Brown
Use Class 3 27 x 69mm
3.6/3.9m lengths



Handrails/Baluster Rails

Handrail / Bottom rail
Use Class 3



Handrail Infill
Use Class 3



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 page for details of using multi-purpose screening for privacy balustrading.

Note: 45 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*
Use Class 3
33mm x 33mm



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



Multi-purpose *
Use Class 3
27 x 95mm



Multi-purpose
Use Class 4
45 x 95mm
45 x 145mm
3.6m length
4.8m length
C24 strength graded
as standard



Multi-purpose
Use Class 4
85 x 85mm 1.8m length
2.4m length
3.0m length
117 x 117mm 3.0m length
140 x 140mm 3.0m length

* Component available in random lengths.

Available visually strength graded on application

Q-Garden Multi-purpose screening
Use Class 3
Also available as Q-Shades. See page 9 in cladding section at back of this brochure.
27 x 69mm
3.6m length
3.9m length





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



Classic Spindle and Newel †



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



Colonial Spindle and Newel †



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



Contemporary Spindle and Newel †



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



Stop Chamfered Spindle and Newel* †

† Newel posts sold separately.

* Finished with 27 x 120 x 120mm rebated post cap.



Subframe timbers

Deck Joists



SIZE	DESCRIPTION	2.4m	3.0m	3.6m	4.2m	4.8m	5.4m	6.0m	Use Class
45 x 95mm	Multi-purpose C24			✓		✓			4
45 x 144mm	Multi-purpose C24			✓		✓			4

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



Timber-tite Heavy Duty Landscaping screws



Deck Support Posts

Choose Use Class 4
for in ground contact



Multi-purpose Post

Use Class 4

85 x 85mm	117 x 117mm
1.8m length	3.0m length
2.4m length	140 x 140mm
3.0m length	3.0m length

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



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



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.



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 page 23 opposite).

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

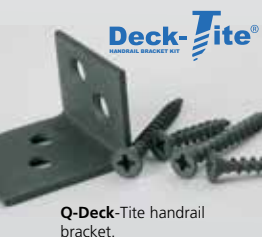
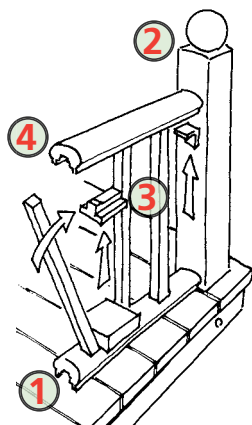
Q-Deck Plus makes balustrading easy by offering ready-made 1800mm long sections of balustrade, complete with handrail.

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.

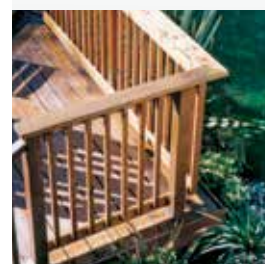


... or using loose components

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



Q-Deck-Tite handrail bracket.



27 x 69 x 970mm flat chamfered spindle

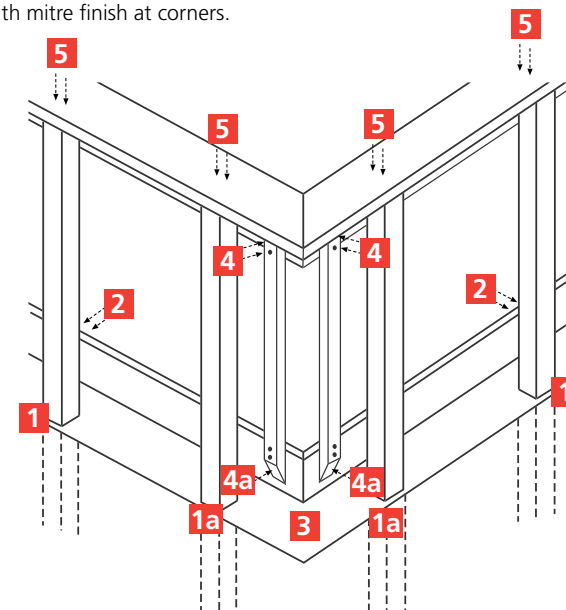


Using Q-Deck Multi-purpose Products

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.



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. An installation guide for using **Q-Deck Plus** Grecian Columns is available as a download on www.qualitydecking.co.uk



Care and Maintenance Treated Softwood Products

What to Expect

Small surface splits can occur in all components during the warmer months. This happens as the timber dries and shrinks. 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 or consider new Q-Shades colour washed Canterbury decking that is designed to resist the fading effect of UV light and maintain its original colour for longer.

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.

Cleaning

Treated softwood and even Q-Shades colour washed wood will not look its best after a long winter and a wet spring, so a little time spent cleaning will pay dividends for the summer months.

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

A highly effective cleaning agent is Net-Trol® by Owatrol®.

For the removal of previously applied oil finishes that have failed use Aquanett® by Owatrol®, then neutralise with Net-Trol®.

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 Protect

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 Hoppings 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.



Detailed care and maintenance instructions can be found within the Planning a Deck Guide downloadable from our website:
www.qualitydecking.co.uk



Care and Maintenance continued Q-Shades Treated Softwood Products

Q-Shades

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. Colour is a subjective matter and depends on personal preference.

High Traffic Areas - Tracking

As is apparent with nearly all coated floors, it is normal for wear to occur on heavily trafficked areas of Q-Shades decks. Pedestrian traffic regularly following the same route over the deck will slowly abrade away the pigments creating a track of slightly lighter coloured looking wood.

The Q-Shades original colour can be revived by re-applying Q-Shades brush-on finish which is available as a concentrate or by using an alternative brush-on wood stain. Always follow the coating manufacturer's instructions.

Cleaning

Q-Shades products are coloured using a non film forming penetrating colour wash stain. Similar to most non-film forming systems Q-Shades products should be cleaned with extra care. Pressure washing is an effective method but care must be taken not to remove the pigments from the upper surfaces of the wood by placing the lance to close and or using water at too high pressure.

Colour loss can take place when cleaning a Q-Shades deck with proprietary deck cleaning agents as the chemicals present may remove the pigments from the wood grain. Please take care and test a small inconspicuous area first. Also take care when brushing the surface of a Q-Shades deck. Gently use a soft bristled brush only to remove dirt, leaf litter and algae if needs be.

Note: The use of wet wipes to clean Q-Shades products should be avoided as the chemicals present are very effective at mobilising and removing the pigment and create a lighter looking patch. Touching in patches of colour loss is not easy as the touching in tends to appear slightly brighter and darker than the surrounding areas. The best way to minimise any difference in appearance is to dilute the brush on finish until it best matches and apply it using a dabbing sponge.

Reseal and Protect

For a more resilient finish apply a coat of Hickson Decor Waxcoat to Q-Shades products as soon as they are dry enough to do so (as shown left). Waxcoat is a one coat, clear, water repellent wax coating (film forming) that produces a semi-gloss finish. The water proof film not only slows down the colour loss of the surface of the wood but the pigments are also less likely to become worn away or diminished as a result of cleaning. Cleaning also becomes easier as the water repellent surface is more resilient to the chemicals within wet wipes and deck cleaning agents. It is normal to have to wait for approximately 18 months for the surface to weather sufficiently before being able to reapply a Q-Shades brush on finish or an alternative stain over wood previously treated with Waxcoat.

Take Care

As for all timber products, 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 (A grade not A/B 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 - 4.2m or 4.5m lengths.

- 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.
- 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 Hoppings Quality Decking retailer if PEFC Chain of Custody is required.
- The most stable decking board of the Hoppings solid timber decking range.
- Cedar like solid timber performance characteristics.

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

Q-Grip Lunawood® (also featured right) is also available to order. Minimum quantity 100 linear metres.



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

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.

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 Hoppings Softwood Products 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 15 and 16.

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.



3



4



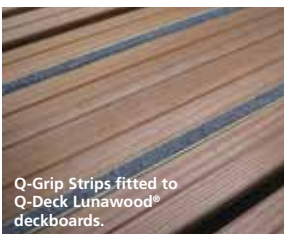
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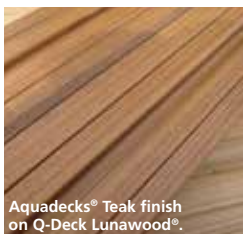
Q-Deck Lunawood® being cleaned with Net-Trol®.



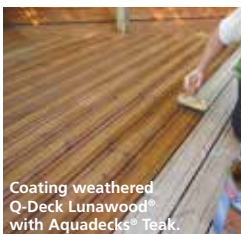
Weathered and cleaned Q-Deck Lunawood® finished with Aquadecks® Teak.



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



Aquadecks® Teak finish on Q-Deck Lunawood®.



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



Q-Deck Tite Plus stainless steel decking screws.



Bangkirai Hardwood Decking

Q-Deck Bangkirai hardwood decking is also known as Balau.



Q-Deck Bangkirai reeded/grooved reversible hardwood decking - 21 x 145mm

- Sustainably sourced. **Q-Deck Bangkirai** hardwood decking is supplied PEFC certified as standard.
- Reversible profile allows you to choose the design - grooved or reeded.
- Air dried, so expect minimal shrinkage.
- Durable.
- Very strong, very hard, very tough.
- Appealing variable tones of brown that weather to grey in situation.



Q-Deck Bangkirai slip resistant decking is also available - 21 x 145mm in 3.65m lengths.

- **Q-Deck Bangkirai** slip resistant hardwood decking is supplied PEFC certified as standard.

Please enquire with your Hoppings Quality Decking retailer to ascertain what lengths are available and if PEFC Chain of Custody is required.

Fitting Q-Deck Bangkirai Hardwood Deckboards

- Fit **Q-Deck Bangkirai** over joists set at 600mm centres maximum.
- Leave 6mm gaps between adjacent boards when fitting **Q-Deck Bangkirai**. Being an air dried hardwood means you have to allow for some expansion of the width 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 Bangkirai** 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 Bangkirai** hardwood deck.

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

It is natural for surface splits (shakes) to appear on **Q-Deck Bangkirai** decking during periods of warm dry weather.

Care and Maintenance of Q-Deck Bangkirai

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

For best results use your new **Q-Deck Bangkirai** 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 Bangkirai** 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 Bangkirai** 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 Bangkirai** hardwood with Net-Trol® every 6-12 months is advisable. For the rejuvenation of very dirty, stained hardwood decks use Prepdeck® stripper/cleaner by Owatrol® instead of Aquanett®.

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 Bangkirai** 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 Bangkirai may develop natural 'shakes' (surface splits).





SmartBoard Wood Plastic Composite Decking

SmartBoard is a reversible decking with an appealing tactile brushed matt finish creating a more natural surface than most composite alternatives.

- / Super simple to fit - the special formulation means it can be face fixed like standard timber decking using special SmartBoard Composite Decking screws only
- / Low maintenance
- / Easy to clean
- / Won't split or rot
- / Colour will last year after year*
- / Eco-friendly, 90% recycled - made from residues from engineered oak flooring and recycled hard plastic such as shampoo bottles
- / Long lasting - 25 year residential warranty
- / Also good for fascias
- / Smooth or ribbed look with a low risk of slip surface†

SmartBoard Reversible Composite Decking in Battleship Grey - 20 x 138 x 3600mm



SmartBoard Reversible Composite Decking in Chocolate Brown - 20 x 138 x 3600mm



*Because SmartBoard contains wood fibres and has a deep brushed finish it is normal to experience some initial variation in colour and surface appearance (a deliberately variable, more natural finish/texture than most). During the first few months of exposure to the elements the surface will weather and any variation will reduce as the original colour lightens slightly.

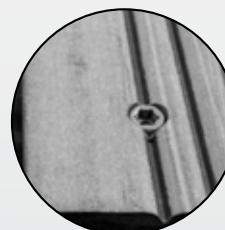
†Mean wet pendulum test value 54 (slider #55/TRL) where values of 36 or greater are classified as presenting a 'low risk of slip' by the UK regulator the H.S.E.



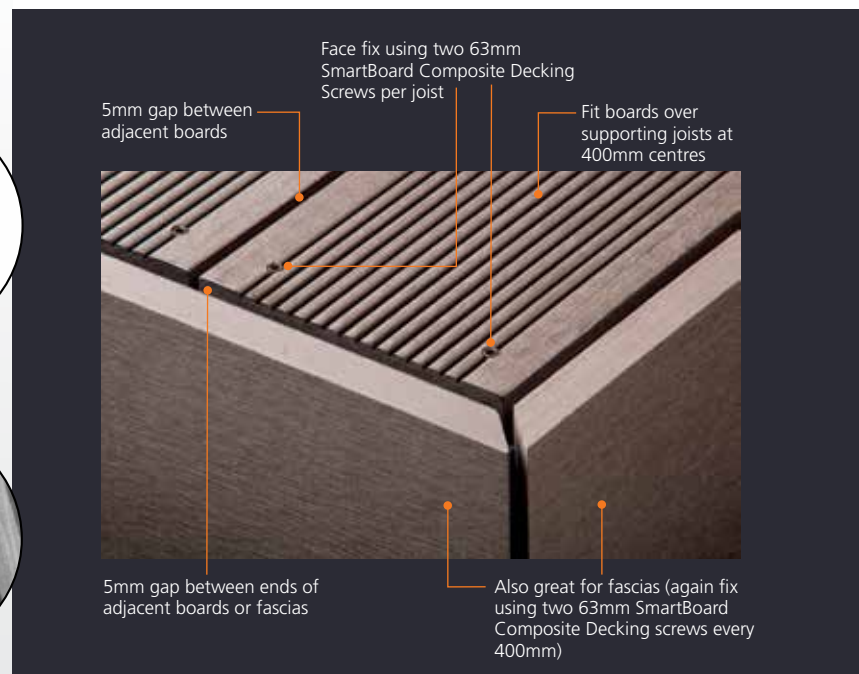
Fitting Advice for SmartBoard Decking



SmartBoard colour co-ordinated composite decking screws.



Drive SmartBoard screws just below the surface of the board for a neat finish.



Do not use any other type of screw or fixing to fit this decking.

It is advisable to let SmartBoard acclimatise on site for a few days prior to fitting.

When laying SmartBoard in a diagonal 45 degree pattern the supporting joists must be brought in to 295mm centres.

Position screws at a minimum distance of 20mm from any edge of a board.

The best screw position on the ribbed face of SmartBoard is in the first trough.

Where the edge or ends of boards meet a permanent structure it is advisable to maintain a 10mm gap for adequate drainage and ventilation.

Don't apply too much force when using SmartBoard screws. It is wise to be patient and let the drive tool and special pre-drilling screw do its thing! For best results use a high quality 18 volt cordless impact driver. These tools provide the most control when seating the head of SmartBoard screws just below the surface of the board.

When using a combi-drill, if a suitable torque setting can't be established then take care not to drive the screw too far below the surface of the board when in drill mode. In this situation, it is wise to stop short of the surface of the board and manually twist the chuck of the drill to achieve optimum screw depth, just below the surface of the board.

Where required, support the ends of adjacent boards butted end to end with an additional section of joist firmly screwed to the main joist using suitable screws such as **Q-Deck Plus** Timber-Tite landscape screws.



SmartBoard can be worked using standard woodworking tools and if required its edges lightly eased using coarse sand paper (Note: being so dense, it will quickly dull wood working cutters which tends to affect the ability to cut timber products efficiently thereafter).

SmartBoard decking isn't as structurally rigid as timber equivalents meaning more care needs to be taken when storing it on site. Ensure boards are stored flat, off the ground and with sufficient support (at least every 600mm) to prevent sagging and deformation.

Placing, rather than sliding boards on top of one another is preferable when moving boards about on site. Sliding boards over one another may cause marking. If sliding boards is unavoidable then orientate them ribbed face to ribbed face to reduce the chance of marking.

For information on timber sub-frame construction please refer to pages 39 to 41.

SmartBoard Decking - What to Expect

Colour and Looks

All types of decking, including wood plastic composite varieties experience some amount of weathering over time. SmartBoard contains wood fibres that are susceptible to differences in colour and appearance and as soon as the product is exposed to sun and rain, it is normal for these fibres to undergo a natural ageing process. This is why it is normal to experience some colour variation between boards upon fitting them.

During the first few months of exposure to the elements, SmartBoard will typically weather to a slightly lighter shade from the original colour. This process is a result of a combination of water absorption in the wood fibres and UV stabilisation at the surface of the boards. Close inspection shows that this colour change or fading is due to the natural bleaching of the wood fibres' which is most noticeable on Chocolate Brown coloured boards. After this initial period of acclimatization, any colour change will be less visible. It is also normal for the striped look of the ribbed face to become less and less evident with time.

The brushed matt finish of SmartBoard provides a classy non-plastic look and tactile feel. The brushing process is inconsistent for a more natural look. As shown on the left, it is normal for lines caused by brushing to occasionally become apparent on the smooth face of boards in certain light conditions.

Like all composite decking with a brushed matt finish, it is normal for SmartBoard to become marked if scuffed during fitting or in use. Marking is most obvious on Battleship Grey boards as dark patches. Marks caused by scuffing are normal and will gradually fade over time as the images below illustrate.



New product

After 5 days exposure

After 11 days exposure

Slight colour variations when boards are first laid is normal and will become more uniform with time.

It is normal for lines caused by brushing to become apparent on the smooth face of boards.

Cleaning & Maintenance

Cleaning SmartBoard straight after fitting is recommended to remove any manufacturing residues and dust and will help minimise any variation on colour as mentioned in the what to expect section on page 34.

SmartBoard should be kept free of debris by regular sweeping and cleaned as necessary using a stiff bristled brush, warm soapy water and rinse with clean fresh water.

The use of a pressure washer is also fine, whilst taking care not to damage or change the look of the surface of SmartBoard by placing the lance to close. It is always wise to clean a small inconspicuous test area and see how it looks when dry before cleaning a large area with a pressure washer.

Chocolate Brown is better at hiding day to day grime compared to the much lighter Battleship Grey, whereas staining created by fat/oils from food stuffs will be more evident on the darker Chocolate Brown and it is therefore wise to take suitable precautions by covering the surface of the deck prior to using a BBQ.

Remove stains caused by fatty foodstuffs using household detergent and hot water.

The dispersal of ice using rock salt is an acceptable course of action and won't affect the surface of the board although it is wise to subsequently rinse the surface with clean water when appropriate.

For a thorough deep clean and to remove most stains including those caused by rust use CompoClean by Owatrol Ltd. Net Trol by Owatrol can be used to remove more stubborn rust stains.

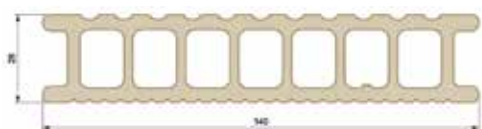
CompoCare by Owatrol Ltd, a brush on colour stain available in grey and brown can be used to seal SmartBoard or strengthen its colour if required.





Twinson® Composite Decking

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



Q-Deck Twinson® is available to order in 4.0m 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

- Technology provides colourfast* looks in 7 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.
- **Q-Deck Twinson®** is classified as PEFC certified.

*Please note: Colour samples are reproductions and can deviate from the originals. The colour reproductions of the square swatch panels (left) show the natural colour which will change overtime, compared to the small insert illustrating the colour when new. Twinson contains wood fibres, susceptible to differences in colour and appearance. As soon as the product is exposed to sun and rain, these fibres will undergo a natural ageing process and will be subject to colour changes. After a couple of months, the final patina will be obtained. Planks should be mixed prior to installation to gain a natural effect.

All decking material and wood-composite products are expected to experience some level of weathering over time. During the first 12 weeks of exposure to the elements, Twinson will typically weather to a slightly lighter shade from the original colour. This process is a result of a combination of water absorption in the wood fibres and UV stabilisation at the surface of the planks. Close inspection shows that this colour change or fading is due to the natural bleaching of the wood fibres. After this initial acclimatising, any colour change will be less visible.



P9555 Composite Deck Board
28 x 140mm
4.0 and 6.0m lengths



P2761 Twinson® Starter Rail
3000mm



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



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 19).

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.

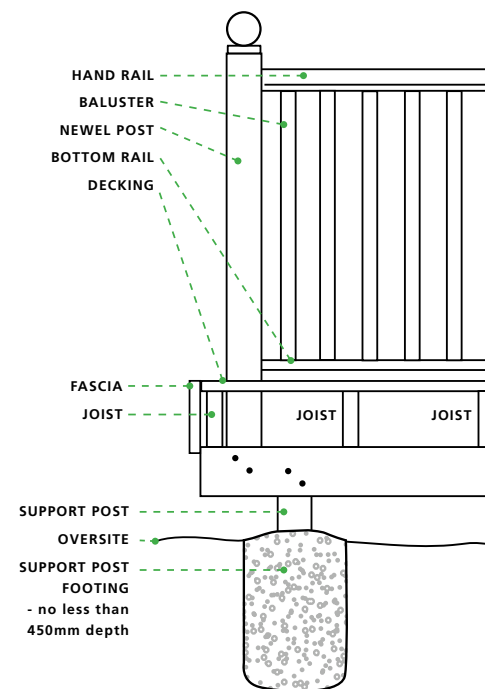
LEDGER BOARD Beam secured to building to support deck structure.

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 Hoppings slip resistant 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.

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:

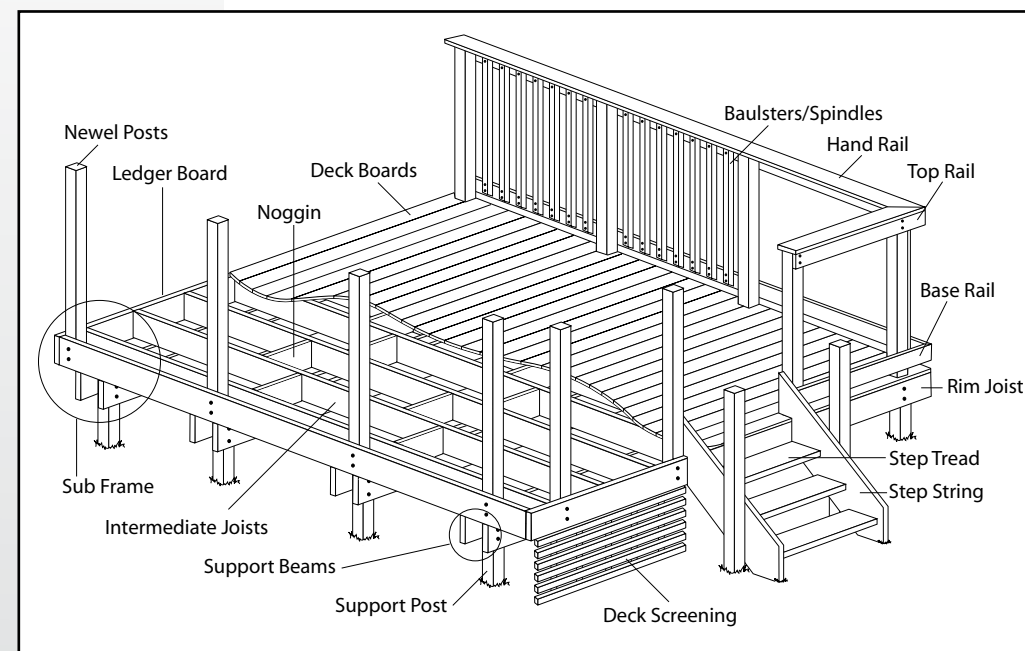
www.qualitydecking.co.uk



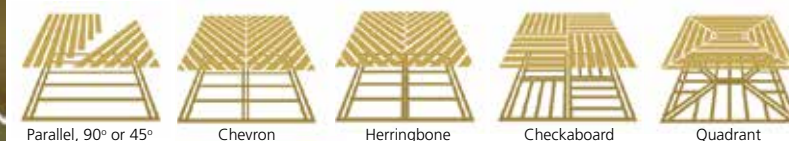
When Designing A Deck

Be sure to use/specify components of the correct Use Class - see glossary on page 37 and page 7 for an explanation of this term and further information having carefully considered the situation each component will be used in.

NOTE: A condition of Hoppings treated softwood warranties is the exclusion of the use of non Hoppings 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 joist 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 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).

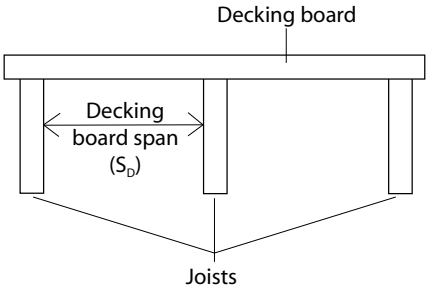
Please note: Decking laid at a 45° angle will require a reduction of joist spacing centres of 30%.

* NA = Not Applicable
TBC = To Be Confirmed

Joist Spacing (centres)

Maximum joist support centres for decking by Hoppings

Deck board size (mm)	Joist centres (mm) for C24 grade joists		Description
	1.5kN/m² - Domestic	4.0kN/m² - Commercial	
20.5 x 95	300	NA*	Q-Deck Cambridge
20 x 138	400	TBC*	SmartBoard
21 x 145	600	400	Q-Deck Hardwood
26 x 117	500	300	Q-Deck Lunawood
27 x 144	500	400	Q-Deck/Q-Grip/Q-Shades Winchester, Canterbury
28 x 140	500	500	Q-Deck Twinson P9555
33 x 120	600	500	Q-Deck/Q-Grip York



Beam Span Guidance

We recommend beams are constructed from two 45 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 **2.24m** (C24) as highlighted in the table on the opposite page.

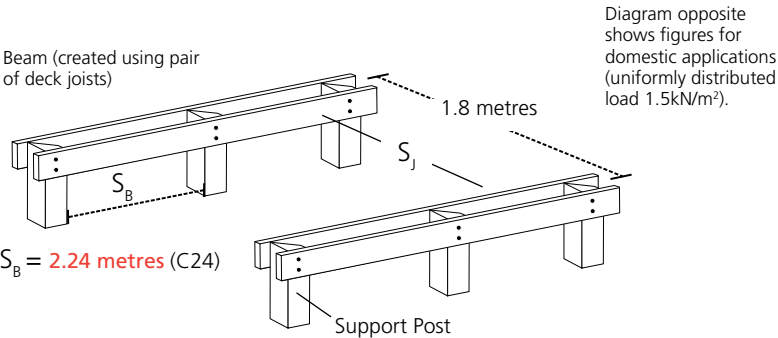


Table A: Maximum joist spans - Strength Class C24

Joist section (mm)	Imposed load 1.5kN/m² Joist centres (mm)			Imposed load 4.0 kN/m² Joist centres (mm)		
	400	500	600	400	500	600
width depth	Maximum clear joist span S _J (metres) (see page 40)					
45 x 95	2.15	1.99	1.87	1.58	1.47	1.38
45 x 145	3.24	3.01	2.83	2.40	2.22	2.08
45 x 195	4.20	3.98	3.75	3.17	2.94	2.76

Table B: Double member beam spans - Strength Class C24

Beam size (mm)	Imposed load 1.5kN/m² Beam centres (m)				Imposed load 4.0 kN/m² 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 40)							
2 x 45 145	2.57	2.24	2.02	1.86	1.88	1.62	1.37	1.09
2 x 45 195	3.40	2.96	2.68	2.47	2.50	2.15	1.81	1.44

Imposed loads
1.5kN/m² - domestic applications (single occupancy)
4.0kN/m² - commercial applications (dining areas, cafes, restaurants, balconies)



How much decking will I need?

PRESERVATIVE TREATED SOFTWOOD DECKING



m2	Cambridge 100mm cover	York 125mm cover	Canterbury/ Winchester 150mm cover
1	10.0m	8.0m	6.7m
2	20.0m	16.0m	13.4m
3	30.0m	24.0m	20.1m
4	40.0m	32.0m	26.8m
5	50.0m	40.0m	33.5m
10	100.0m	80.0m	67.0m
15	150.0m	120m	100.5m
20	200.0m	160.0m	134.0m

Fixings per m ² - Domestic	67	27	27
Fixings per m ² - Commercial	NA*	32	34

Please note: The table above is the minimum quantity requirement. It is suggested that you add at least 10% to these figures to allow for waste associated with excluding naturally occurring defects and for trimming boards to length especially when creating patterned layouts. Fixings relate to the approximate number of screws required per m².

OTHER DECKING PRODUCTS BY HOPPINGS



m2	Q-Deck Lunawood 123mm cover	SmartBoard 143mm cover	Q-Deck Twinson 146mm cover	Q-Deck Hardwood 153mm cover
1	10m	7.0m	6.85m	6.6m
2	20m	14.0m	13.7m	13.2m
3	30m	21.0m	20.6m	19.8m
4	40m	28.0m	27.4m	26.4m
5	50m	35.0m	34.2m	33.0m
10	100m	70.0m	68.5m	66.0m
15	150m	105.0m	102.8m	99.0m
20	200m	140.0m	137.0m	132.0m

Fixings per m ² - Domestic	17	35	22	22
Fixings per m ² - Commercial	27	TBC*	22	33

Please note: The table above is the minimum quantity requirement. It is suggested that you add 5-10% to these figures to allow for waste associated with excluding naturally occurring defects in Q-Deck Lunawood and Hardwood and for trimming all types of boards featured to length especially when creating patterned layouts. Fixings relate to the approximate number of screws, or in the case of Lunawood® and Twinson®-clips, required per m².

*
NA = Not Applicable
TBC = To Be Confirmed



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



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).



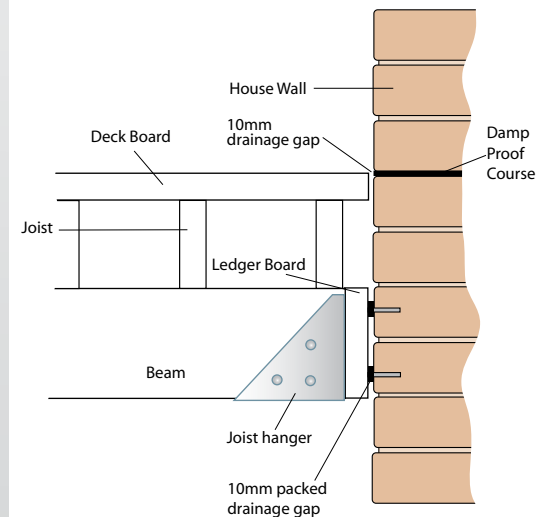
Fig (i) Boards placed at right angles to pedestrian traffic.



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** in **Q-Deck York** decking boards. Please refer to the product pages 15 and 16 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.

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

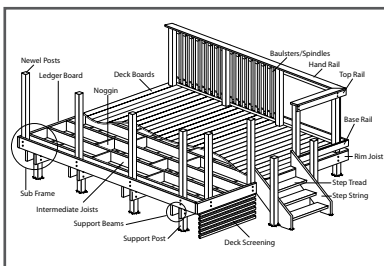
The following series of photographs shows a typical construction of an elevated deck over a sloping site.



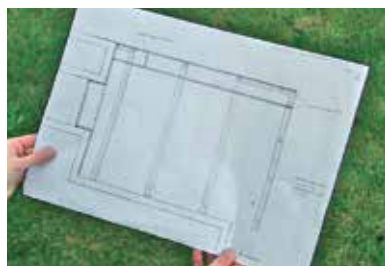
....checking the deck location....



....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....



Timber Cladding & Landscaping

qualitydecking.co.uk









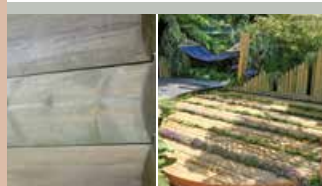



Quality Brands. Quality Products.



CLADDING

LANDSCAPING

		High quality pre-painted timber cladding products.	4
		High quality colour washed treated softwood cladding and screening products.	6
		High quality Thermowood® cladding products.	10
		NEW High quality colour washed treated softwood landscaping sleepers.	11
		High quality treated softwood cladding and landscaping sleepers.	12
Fitting cladding advice			14

FIND YOUR NEAREST RETAILER

To search for your nearest retailer of Hoppings Quality Cladding and Landscaping products, some of whom also offer the convenience of ordering products online, scan the QR code opposite or visit qualitydecking.co.uk/find-a-stockist



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** pre-painted claddings are manufactured from certified timber and available PEFC or FSC® certified on request. Please enquire with your Hoppings Quality Cladding retailer if Chain of Custody is required.
- 15 year warranty (see page 5 of the decking section of this brochure).
- Fine sawn finish provides great paint adhesion and a 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 pre-painted 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.



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 +/-1.0mm, 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.



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.





Colour Washed, External Timber Cladding

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

Q-Shades timber cladding products are pre-stained with a translucent brown or grey or black colour wash prior to TANALITH preservative treatment. The result is stylish shades with a matt finish that allow the beauty of the wood grain to show through. Assured long term preservative protection is also built-into the products that come with a 15 year performance warranty against fungal decay.

The pigment based colour system is extremely durable compared to other treatment colour systems. Depending upon the location and ultra-violet (UV) light exposure, expect the shades to remain effective for at 3 to 5 years when used vertically and up to 2 years horizontally. **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 with subtle degrees of variations provided by the appearance of naturally beautiful wood.

- Pre-stained translucent colour wash, available in grey and brown from stock and black to order.
- The finish retains the natural looking grain of the timber.
- Consistent colour coverage.
- Durable performance with excellent colour retention for 3-5 years.
- Kiln dried quality treated softwood with a 15 year warranty (see page 5 of the decking section of this brochure for warranty details).
- Manufactured from certified timber and PEFC or FSC® available on request. Please enquire with your Hoppings Quality Cladding retailer if Chain of Custody is required.
- **Q-Shades** products have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

For technical advice see page 6 in the decking section of this brochure. For fitting advice see pages 14-16. Note **Q-Shades** cladding is supplied at a higher moisture content (more damp) than the **Q-Clad** pre-painted variety meaning adjacent boards should be overlapped slightly more when fitting it. After fitting, simply leave **Q-Shades** 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 re-applying it using **Q-Shades** brush-on finish which is available as a concentrate or by using a brush-on wood stain. Always follow the coating manufacturer's instructions. For further information see page 25 in the decking section of this brochure.



Featheredge

Q-Shades colour washed featheredge cladding is available in 3 colour wash finishes.

Use Class 3

24mm thick edge x 6mm thin edge x 175mm (covers 135mm)
(thickness can vary by +/-1.0mm, width can vary by +/-2.0mm). Lengths 5.1m.
Fine sawn finish with one coat of **Q-Shades**.



Q-Shades colour washed featheredge cladding in Autumn Brown



Q-Shades colour washed featheredge cladding in Pebble Grey



Q-Shades colour washed featheredge cladding in Black Peat





Shiplap

Q-Shades colour washed shiplap cladding in Pebble Grey
 Use Class 3
 14.5 x 120mm (covers 110mm)
 Smooth planed finish with one coat of **Q-Shades**.
 4.2m lengths and longer.



Q-Shades colour washed shiplap cladding in Autumn Brown
 Use Class 3
 14.5 x 120mm (covers 110mm)
 Smooth planed finish with one coat of **Q-Shades**.
 4.2m lengths and longer



Loglap

Q-Shades colour washed loglap cladding in Pebble Grey
 Use Class 3
 20.5 x 95mm (covers 85mm)
 Smooth planed finish with one coat of **Q-Shades**.
 4.2m lengths and longer



Loglap

Q-Shades colour washed loglap cladding in Autumn Brown
 Use Class 3
 20.5 x 95mm (covers 85mm)
 Smooth planed finish with one coat of **Q-Shades**.
 4.2m lengths and longer



Screening

Q-Shades colour washed multi-purpose screening in Pebble Grey
 Use Class 3
 27 x 69mm
 3.6m or 3.9m lengths
 Smooth planed finish with one coat of **Q-Shades**.



Q-Shades colour washed multi-purpose screening in Autumn Brown
 Use Class 3
 27 x 69mm
 3.6m or 3.9m lengths
 Smooth planed finish with one coat of **Q-Shades**.





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 5 in the decking section of this brochure).
- Profiles termed 'Secret-Fix' are designed to give a fixing free finish/look.
- Initial dark colouration - looks similar to tropical hardwood but at a lower price.
- Sustainably sourced. **Q-Clad** Thermowood® cladding is PEFC certified as standard. Please enquire with your Hoppings Quality Cladding retailer if PEFC Chain of Custody is required.
- The most stable cladding of the Hoppings Quality Cladding 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



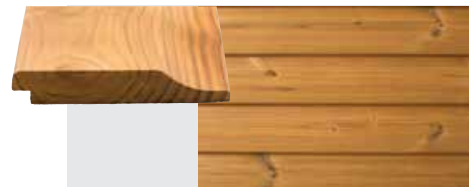
Q-Clad Thermowood®
cladding has a
characteristic splay knot
type appearance



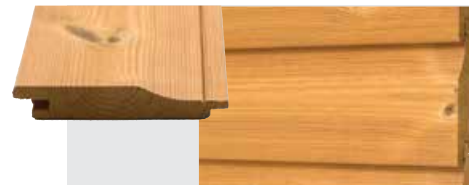
Secret Fix T&G Channel
Profile (used vertically)
as shown.



T.G. & Open V Profile
(used vertically)
as shown.



Shiplap Profile.



Secret Fix T&G Shiplap
Profile.



Colour Washed Treated Softwood Landscaping Sleepers

Q-Shades planed landscaping sleepers are pre-stained with a translucent brown or grey or black colour wash prior to TANALITH preservative treatment. The result is stylish shades with a matt finish that allow the beauty of the wood grain to show through.

Assured long term preservative protection is also built-into the products that come with a 15 year performance warranty against fungal decay.

Q-Shades planed landscaping sleepers are supplied PEFC certified as standard. Please enquire with your Hoppings Quality Products retailer if Chain of Custody is required.

See pages 5, 6, 10 and 25 in the decking section of this brochure for information about warranty, what to expect and maintenance.



Q-Shades planed landscaping sleeper
in Autumn Brown (with 4 eased edges)
90mm x 190mm x 2400mm
Use Class 4



Q-Shades planed landscaping sleeper
in Pebble Grey (with 4 eased edges)
90mm x 190mm x 2400mm
Use Class 4



Q-Shades planed landscaping sleeper
in Black Peat (with 4 eased edges)
90mm x 190mm x 2400mm
Use Class 4





PRESSURE TREATED TIMBER
WITH BUILT-IN WATER REPELLENT



Treated Softwood 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.
- **Q-Garden** products come with a warranty against decay and insect attack. (See page 5 in the decking section of this brochure for warranty details).
- **Q-Garden** products are manufactured from certified timber and available PEFC or FSC® certified on request. Please enquire with your Hoppings Quality Products retailer if Chain of Custody is required. **Q-Garden** landscaping sleepers are supplied PEFC certified as standard.
- **Q-Garden** claddings have CladMark accreditation independently assessed by the Timber Decking & Cladding Association (TDCA).

Treated Landscaping Sleeper

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



Timber-Tite countersunk versus proud hex head.



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

Timber-Tite®



Q-Garden planed landscaping sleeper (with 4 eased edges)
90mm x 190mm x 2400mm
Use Class 4



Treated Cladding & Privacy Screening

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



12mm x 120mm (covers 110mm)
x random long lengths
Ship lap Use Class 3

14.5mm x 120mm (covers 110mm)
x random long lengths
Ship lap Use Class 3



20.5mm x 95mm (covers 85mm)
x random long lengths
Log lap Use Class 3

44mm x 144mm (covers 132mm)
x random long lengths
Log lap Use Class 3



Q-Garden Multi-Purpose screening comes in 3.6m or 3.9m 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 18/19 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 14 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 Multi-purpose screening
Use Class 3
27 x 69mm
3.6 or 3.9m lengths



Fitting Cladding Advice

For more information about fitting Q-Clad/Q-Garden/Q-Shades timber cladding scan the QR code opposite.



Clad-Tite®



Q-Clad-Tite stainless steel annular ring shank cladding nails - 50mm.

Tongue-Tite PLUS®



Q-Clad-Tongue Tite stainless steel cladding screws - 45mm.

- 1 Hoppings Quality Claddings should be fitted to studs or battens at ideally 400mm centres (not more than 600mm). 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 Hoppings Quality Claddings 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 align 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 Hoppings featheredge style cladding as the boards overlap and do not interconnect.

- 2 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.
- 3 Fit boards using ideally 42mm+ stainless steel cladding nails or trim headed deck screws - Q-Clad-Tite nails or Q-Clad Tongue Tite plus screws. If the nature of the wall construction will not accept 42mm 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).

- 4 When fixing 175mm Hoppings featheredge style cladding the fixings should not be driven through the board below. It is wise to use a pair of fixings at every batten junction roughly 30 to 40mm in from the top and bottom edge of each board as shown to avoid inadvertently connecting adjacent boards. This method of fixing ensures that adjacent boards can move independently of one another whilst also ensuring the narrow end of each board remains tight to the batten, when they shrink after periods of warm dry weather conditions.

- 5 Any cuts to Hoppings Quality Claddings should be end grain preservative treated with Hickson Decor, Ensele end grain preservative or Ronseal end grain preserver to meet the terms of the Hoppings Quality Cladding Warranties. (Does not apply to Q-Clad Thermowood® products).

- 6 Any joints between Q-Clad pre-painted cladding 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.



4



6

- 7 Take care to avoid splitting the timber when nailing near the end of Hoppings Quality Cladding 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.
- 8 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 fix into.
- 9 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 Sikksens.



9



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 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 pre-painted 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.

- 10 If you intend to over paint/stain Q-Clad pre-painted or Q-Shades colour washed claddings in a darker shade of paint it is advisable to coat the joint between adjoining boards as they are fitted as shown. This serves to ensure no lighter coloured areas of cladding appear if the boards shrink slightly in warmer seasons.
- 11 All Q-Garden and Pebble Grey Q-Shades claddings have water repellent properties as they are preservative pre-treated with Tanalith® Extra providing the timber with an extra level of protection.

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



10

- 12 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.
- 13 Q-Garden and Q-Shades cladding is supplied preservative pre-treated. In principle it should be allowed to become touch dry before fitting, otherwise the affects of shrinkage may become apparent in situation.
- 14 All types of Hoppings Quality Cladding should be stored in suitably protected conditions to avoid both direct wetting and direct sunlight. 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 and the heat of sunlight to be reflected. 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.





15 Note: Q-Shades and Q-Garden cladding differs from Q-Clad varieties 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 featheredge boards should be overlapped slightly more to accommodate for more shrinkage than would usually occur. Gaps may also appear between adjacent loglap and shiplap boards as they dry. If you intend to over-paint or stain Q-Shades and Q-Garden 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.

16 Note: We cannot guarantee that white Q-Clad pre-painted cladding 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 pre-painted cladding should be painted with a stain blocking system such as Bedec stain block and top coats re-applied.

How much cladding will I need?

THERMOWOOD® CLADDING



m ²	Shiplap covers 107mm	Secret Fix Shiplap covers 97mm	Secret Fix Channel covers 97mm	T.G. & Open V covers 107mm
1	9.4m	10.3m	10.3m	9.4m
2	18.8m	20.6m	20.6	18.8m
3	28.2m	30.9m	30.9m	28.2m
4	37.6m	41.2m	41.2m	37.6m
5	47.0m	51.5m	51.5m	47.0m
15	94.0m	103.0m	103.0m	94.0m
20	188.0m	206.0m	206.0m	188.0m

Approx fixings per m² (600mm support batten centres)	31	17	17	31
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Please note:

The table above is the minimum quantity requirement. It is suggested that you add 10-15% to these figures to allow for waste associated with excluding naturally occurring defects and for trimming boards to length.

PRESERVATIVE TREATED SOFTWOOD CLADDING



m ²	95mm Loglap covers 85mm	120mm Shiplap covers 110mm	144mm Loglap covers 132mm	175mm Featheredge covers 135mm
1	11.8m	9.1m	7.6m	7.4m
2	23.6m	18.2m	15.2m	14.8m
3	35.4m	27.3m	27.8m	22.2m
4	47.2m	36.4m	30.4m	29.6m
5	59.0m	45.5m	38.0m	37.0m
10	118.0m	91.0m	76.0m	74.0m
15	177.0m	136.5m	114.0m	111.0m
20	236.0m	182.0m	152.0m	148.0m

Approx fixings per m² (600mm support batten centres)	40	30	26	25
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Please note:

The table above is the minimum quantity requirement. It is suggested that you add at least 10% to these figures to allow for waste associated with excluding naturally occurring defects and for trimming boards to length.

PAINTED CLADDING



m ²	175mm Featheredge Cladding covers 140mm	174mm Rebated Featheredge covers 155mm
1	7.1m	6.5m
2	14.2m	13.0m
3	21.3m	19.5m
4	28.4m	26.0m
5	35.5m	32.5m
10	71.0m	65.0m
15	106.5m	97.5m
20	142.0m	130.0m

Approx fixings per m² (600mm support batten centres)	24	22
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Please note:

The table above is the minimum quantity requirement. It is suggested that you add at 5-10% to these figures to allow for waste associated with excluding naturally occurring defects and for trimming boards to length.