

# Product, Design, Installation and Warranty Information





# Q-GRIP®

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# Q-GRIP®

## Q-GRIP® - What is it?



Q-GRIP® YORK



Q-GRIP® CANTERBURY

Q-GRIP® decking is a combination of specially machined softwood timber and slip resistant injection applied aggregate strips. The injection applied strips are a blend of resin, fillers and well recognised slip resistant aggregates. The strips are formed in specially machined grooves in two specific deckboards from the Q-Deck® range of products.

### TIMBER

High quality kiln dried European redwood (*Pinus sylvestris*), hand selected during manufacture to meet Q-Deck® grading rules. Two standard profiles are offered with either a grooved or smooth finish - Q-GRIP® Canterbury and York style respectively.

### PRE-TREATMENT

Q-GRIP® products come with a performance warranty (see page 4 for policy details). This warranty lifespan is achieved by the controlled preservative pre-treatment of our deckboards with **Tanalith® E** wood preservative with a built-in water repellent to provide a long term protection against wood decay and insect attack.



### AGGREGATE STRIPS

Resins are solvent and diluent free Bisphenol A epoxy with fillers. Cured before product dispatch.

Aggregate Type: RASC Guyanan Bauxite      Colour: Grey      Particle sizes: Ranging from 0.25 to 0.5mm

### PERFORMANCE/STANDARDS SPECIFICATION

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

### Testing (skid resistance)

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



They are also DeckMark® Plus accredited. DeckMark® Plus is a new initiative from the Timber Decking Association to meet requests from architects and commercial designers for formal performance guidance for the slip resistance rating of deckboard surfaces or the load bearing capabilities of structures like parapets.

DeckMark® Plus is an extension of the TDA's DeckMark® quality assurance scheme. Introduced in 2000, DeckMark® was designed to give reassurance to specifiers and consumers that timber deck components have been manufactured to established quality standards. DeckMark® Plus builds on this widely adopted scheme to combine a quality accredited product with a formal performance rating. For example DeckMark® Plus now enables architects and designers to specify boards that have been independently slip tested in line with BS7976 and provide a 'low slip potential' in both wet and dry conditions.

The logo for Q-GRIP, featuring the text 'Q-GRIP' in a bold, sans-serif font with a registered trademark symbol (®) to the upper right. The background of the top section of the page is a photograph of a wooden deck with people sitting around a table, overlaid with a semi-transparent green filter.

## Environmental Credentials

### ENVIRONMENTAL ASSURANCE

Q-GRIP® deckboards are supplied as FSC certified as standard.

The Forest Stewardship Council (FSC) is an independent association that operates to ensure that Forests are well managed. [www.fsc-uk.org](http://www.fsc-uk.org)



By buying Q-GRIP® products you are supporting the growth of responsible forest management world wide.

Q-Deck® products are manufactured by Hoppings Softwood Products which is a member of the Timber Trades Federation. It is committed to the TTF's Code of Conduct and is a signatory to its Forests Forever Environmental Purchasing Policy which enforces tracability and evidence that raw material is sourced only from sustainably managed forests. They are also signatories to the Timber Trade Federation Responsible Purchasing Policy (RPP). The RPP is a management system, which assesses suppliers for evidence of the legality and sustainability of supply and encourages them to improve.

Hoppings Softwood Products decisions are influenced by the information we obtain from suppliers relating to their environmental practices and the areas from which their raw materials are sourced.

### HOPPINGS COMMITMENT TO THE ENVIRONMENT

Respect for the environment is an essential part of our business. We are committed to an environmental purchasing policy, which commits us to exclude from production any material which is:

- Harvested from any area where traditional or civil rights are violated;
- Harvested from uncertified forest having high conservation value where management poses a threat to the high conservation values present;
- Harvested from genetically modified trees;
- Illegally harvested.

This policy is overseen and independently certified by B.M. Trada certification. In addition we are a participant in the Forest Stewardship Council's and PEFC's chain of custody schemes and are able to supply Q-Deck® products as FSC certified and Q-Garden® as FSC & or PEFC certified as standard.

In addition, the company is in full support and a member of Wood for Good.

If you require further information or documentation to confirm the above please don't hesitate to contact us on 0800 8496339.



# Q-GRIP®

## Warranty Policy

### Q-DECK® TIMBER DECKING & Q-GARDEN® TIMBER COMPONENTS

#### 15 YEAR WARRANTY

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

#### CONDITIONS OF WARRANTY

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

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

The component shall have been fixed in accordance with appropriate guidance in force at the time. eg. the Timber Decking Manual published by the Timber Research and Development Association and the current Q-Deck®/Q-Garden® point of sale leaflet.

#### EXCLUSIONS OF WARRANTY

- Q-Deck®/Q-Garden® products placed in fresh or salt water contact.
- Q-Deck®/Q-Garden® products supplied for installation outside UK mainland.
- Q-Deck®/Q-Garden® products removed from their original installation and re-used at a new location.
- Degrade caused by poor maintenance or by a material change in the installation environment.
- Failure due to Q-Deck®/Q-Garden® components being used for any purpose for which they were not designed.

#### TRANSFERABILITY OF WARRANTY

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

#### UNDERTAKING

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

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

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

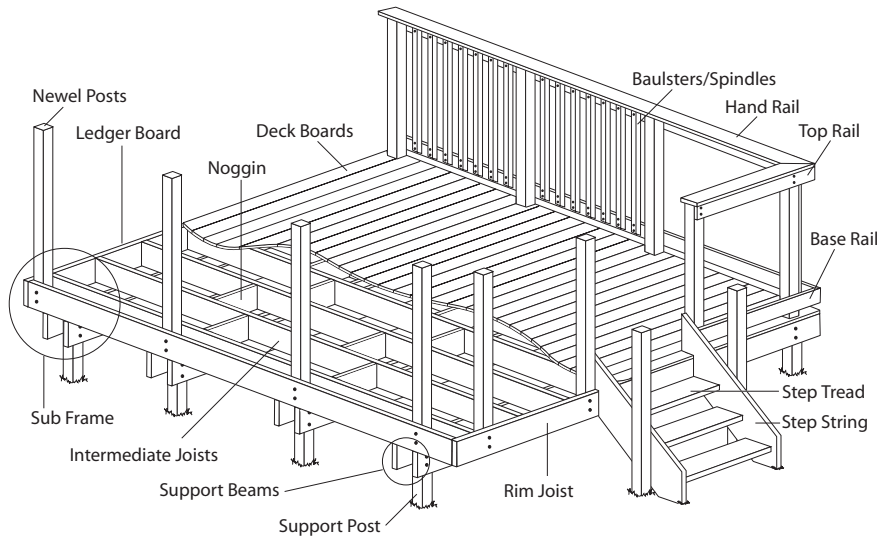
#### STATUTORY RIGHTS

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

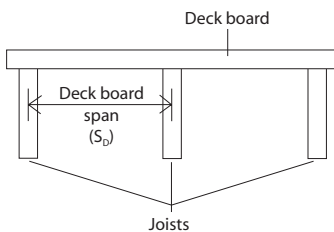
# Q-GRIP®

## Design Specifications

### DECKBOARD, JOIST AND BEAM GUIDANCE



### JOIST SPACING (CENTRES)



Maximum joist support centres for deck boards  
1.5kN/m<sup>2</sup> - **Domestic applications** (single occupancy)

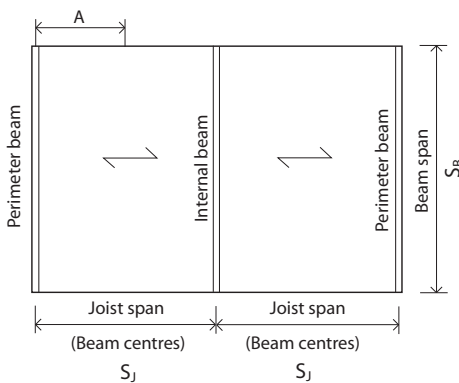
Deck board size (mm)	Joist centres (mm) for C16 grade joists - S <sub>D</sub>
20.5 x 95	250
27 x 144	500
33 x 120	600

Maximum joist support centres for deckboards  
4.0kN/m<sup>2</sup> - **Commercial applications** (dining areas, cafes, restaurants, balconies)

Deck board size (mm)	Joist centres (mm) for C16 grade joists - S <sub>D</sub>
20.5 x 95	-
27 x 144	400
33 x 120	500

NOTE: This information has been prepared to assist in the preliminary design of timber decks, eg for species selection and initial member sizing. The detailed structural design for an individual deck will need to be confirmed by an appropriately qualified engineer. Reproduced with permission from TRADA (Timber Research and Development Association).

### JOIST AND BEAM SPAN TABLES



For perimeter beams, A = beam centres = 0.5 joist span

Table A: Maximum joist spans - Strength Class C16

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

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

NOTE: The span tables in this document have been prepared to assist in the preliminary design of timber decks, eg for species selection and initial member sizing. The detailed structural design for an individual deck will need to be confirmed by an appropriately qualified engineer.

Table B: Double member beam spans - Strength Class C16

Beam size (mm)	Imposed load 1.5kN/m <sup>2</sup> Beam centres (metres)				Imposed load 4.0 kN/m <sup>2</sup> Beam centres (metres)			
	1.2	1.8	2.4	3.0	1.2	1.8	2.4	3.0
width depth	Maximum clear beam span S <sub>B</sub> (metres)							
2 x 44 122	1.99	1.72	1.55	1.43	1.45	1.22	1.05	-
2 x 44 147	2.39	2.07	1.87	1.73	1.74	1.46	1.25	1.02
2 x 44 170	2.76	2.40	2.16	1.99	2.02	1.67	1.44	1.18
2 x 44 195	3.16	2.75	2.48	2.29	2.31	1.90	1.64	1.35
2 x 44 220	3.56	3.10	2.80	2.58	2.61	2.13	1.83	1.53

Reproduced with permission from TRADA (Timber Research and Development Association).



# Q-GRIP®

## Health & Safety

- ✓ When handling and processing treated timber always wear gloves and eye protection and work in a well ventilated area.
- ✓ Wash hands thoroughly after handling treated timber and especially before eating or smoking.
- ✓ Do not burn timber off-cuts. Dispose of them safely as refuse. Treated timber contains chemical preservatives.
- ✓ When constructing pergolas keep the surrounding area clear of people until the structure is fully secure.
- ✓ Wear goggles when pressure washing or scrubbing with chemical cleaners or restorers.
- ✓ Keep children away from the work area until the job has been completed and tools have been stored safely.
- ✓ A Consumer Information sheet for TANALISED® E / TANALISED® EXTRA treated timber covering its general use is available from Arch Timber Protection - [www.archtp.com](http://www.archtp.com).
- ✓ The grinding and cutting of Q-Grip® products may produce dust and loose flying particles and we strongly recommend that personnel carrying out these tasks wear suitable Personal Protective Equipment including gloves, eye protection, particulate dust mask and ear defenders. This list is not exhaustive and may not include safety equipment required when using certain types of cutting or grinding equipment. See page 7 for specific Q-Grip® cutting information.

# Q-GRIP®

## Cutting & Installation

### 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:

**Step 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.

**Step 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.



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

Deck boards should be surface dry and laid with no less than a 6mm gap between boards (this allows for seasonal shrinkage or swelling). Maintain this gap when fitting boards around newel posts for a neat finish whilst still allowing water 'run off'.

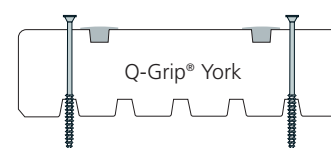


It is advisable to loosely lay components, ie. in particular deck boards, out on the finished sub frame prior to securing them. The longer they are left to become surface dry the less the effects of shrinkage will be apparent after fixing them. The timber can also be cut and sanded more easily when dry.

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.

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

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



**Fasten Master**  
Mastering the Tough Fastening Jobs!



FastenMaster® Timberlok® landscaping screws.



FastenMaster® deck screws.

# Q-GRIP®

## Cutting & Installation continued...

### FITTING DECKBOARDS

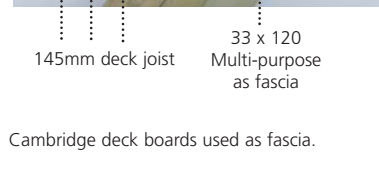
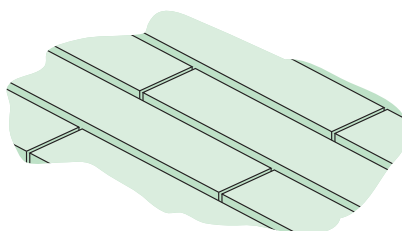
#### SIZE ISSUES

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. We therefore advise letting the deck boards, in particular, dry somewhat before fitting. This not only helps to achieve a more constant size but improves their workability. Although minimised by the water repellent additive used with Q-Deck® products, climatic changes cause the wood to continually shrink and swell in service and in turn this movement may vary from piece to piece.

When laying Q-Grip® decking it is advisable to keep things simple and orientate the boards at either 90 or 45 degrees to the supporting joists to minimise cutting.

It is advisable to carefully establish and cut each Q-Grip® board to length before fitting (refer to the cutting details on the previous page, 7).

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.



Creating a border around the edge of the deck provides an attractive finish. This makes fitting the fascias simple as illustrated.

For another attractive finish, face the deck with more decking. The smooth face of Q-Deck® Cambridge decking or Multi-purpose material is particularly good for this.

# Q-GRIP®

## Care & Maintenance

### CLEAN AND PROTECT

We would recommend that the deck is swept regularly and hosed down when dirt accumulates. There are many effective cleaning agents available (avoid solvents). Many are useful to remove algae growth which can occur and without cleaning this could become a slip hazard.

Cleaning the deck with a pressure washer at the beginning and end of the season is recommended (or as required). Use a maximum water pressure of 1000 psi.



### RE-SEAL

The finished deck should be kept clean and for good looks, resealed with a brush-on water repellent every year - Hickson Decor WAXCOAT. For best results re-apply water repellent when the deck is dry after pressure washing.

### STAIN

One can add a coloured stain to the deck. Please bear in mind it will need regular re-staining and heavy foot traffic areas will have to be re-stained more frequently than other areas.

Care must be taken not to apply stain to the aggregate strip areas as it will not adhere or dry properly on these areas.



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

### TAKE CARE

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

### 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 wetter months the splits will tend to close as the timber swells.

### NOTE

Q-Grip® deckboards are part of a wider range of decking products – The Q-Deck® range of products also feature balustrading and many other landscaping and outdoor timbers, for further details visit

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