

INSTALLING Q-CLAD™ TIMBER CLADDING



CLAD

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QUALITY TIMBER CLADDING

ISSUE 1 MARCH 2013



Please note the cladding in these photographs have been applied with a final coat of paint.

Pre-painted Exterior Timber Cladding

Q-Clad™ pre-painted exterior timber cladding products can be used in most vertical exterior cladding situations. They are designed to save time and provide a high quality painted finish that retains a natural grain finish only timber can provide. The products are essentially designed to be over-painted but this is your choice and not a requirement of the warranty. We would recommend over-painting to hide the heads of fixings or any minor damage that may be incurred during fitting. The white product is designed for over-painting with the colour of your choice.

The timber used to make **Q-Clad™** timber cladding is slow grown Scandinavian whitewood (Picea Abies). It is kiln dried to a specific moisture content suitable for external cladding use and preservative treated to Use Class 3.1 providing a 10 year warranty against fungal decay and insect attack (the warranty does not apply to the life of the paint coating). Factory applied paint provides the best possible paint finish for timber. We strive to provide conditions for the best possible paint adhesion. The paint is a waterborne microporous system by Teknos, a well renowned Finnish commercial paint manufacturer. The more coats applied to the cladding means the greater paint 'build' and the greater the 'build' the better the finish and resistance to weathering. For over-painting we recommend the use of Bedec Barn Paints by Bedec Ltd or Dulux Weathershield® waterborne microporous system.

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

Note: Please read the fitting instructions on the following pages.

Featheredge Timber Cladding



Pre-painted Black Cladding (one coat) **Use Class 3**
(also known as Essex black barn featheredge)

24mm thick edge x 7mm thin edge
x 175mm (covers 144mm)
(these dimensions can vary by +/-2.0mm).

Fine sawn finish with one coat of black paint. Lengths 3.6m & longer. Supplied without protective packaging.



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Rebated Timber Cladding



Pre-painted White Cladding
Rebated (2 coats) **Use Class 3**
(also known as pre-painted
weatherboarding)

23mm thick edge x 6mm thin
edge x 174mm (covers 155mm)
(these dimensions can vary by +/-
0.5mm).

Fine sawn finish with one stain
blocking primer coat and one top
coat of white paint. Sharp edges
removed. Lengths 3.6m & longer.
Supplied bundled with protective
packaging.



Pre-painted Black Cladding
Rebated (2 coats) **Use Class 3**
(also known as pre-painted
weatherboarding)

23mm thick edge x 6mm thin
edge x 174mm (covers 155mm)
(these dimensions can vary by +/-
0.5mm).

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.

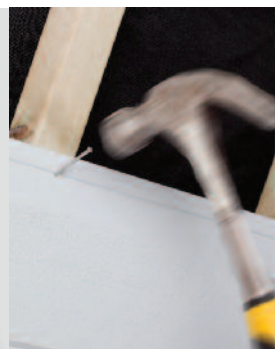


Secret Fix Sawn Shiplap Timber Cladding



Pre-painted White Secret Fix Cladding
(2 coats) **Use Class 3**
18 x 144mm. Covers 120mm.

Fine sawn finish with one primer and
one top coat of white paint. Fixings can
be concealed by extended tongue and
deep groove. Lengths 3.6m and longer.
Supplied bundled with protective plastic
wrapping.



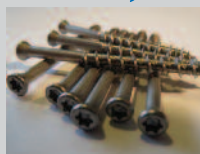


Clad-Tite®

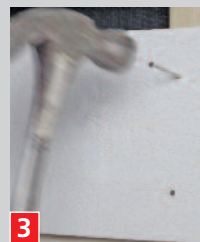


Q-Clad-Tite stainless steel annular ring shank cladding nail.

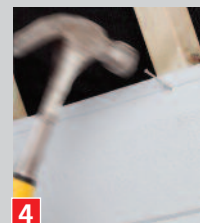
Tongue-Tite® PLUS



Q-Clad-Tongue Tite stainless steel cladding screws.



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Fitting Q-Clad™ and Q-Garden® Cladding

For more information about fitting **Q-Clad™** timber cladding please visit:
www.timber-cladding.co.uk

- 1 Boards should be fitted to studs or battens at ideally 400mm centres (not more than 600mm) and where joined only over a stud/batten. When fitted to the elevation of a dwelling, the cavity behind the cladding should be backed with a breather membrane. The cavity should be ventilated at the top and bottom of the wall and be of a depth not less than 19mm.
- 2 Fit boards using 45mm+ 306 grade stainless steel annular ring shank cladding nails or trim headed deck screws - Q-Clad-Tite nails or Q-Clad Tongue Tite plus screws are recommended. The heads should be fitted flush with the face of the cladding, if driven deeper it is wise to re-seal the punctured timber. When fixing **Q-Clad™** secret fix cladding a shorter nail or screw can be used (minimum 38mm). When fixing **Q-Garden®** 44mm loglap a longer nail or screw should be used (minimum 63mm).
- 3 When fixing 175mm **Q-Clad™** painted claddings the nails should be positioned above the line of the rebate, so in effect the top board holds the board below in place. The nail **shouldn't** be driven through both boards. It is wise to use a pair of nails at every batten junction as shown. The nails being roughly 30 to 40mm in from the top and bottom edge of each board. This helps keep the narrow end of the board tight to the batten even when they shrink in the warmer drier seasons.
- 4 When fixing 144mm secret fix **Q-Clad™** cladding one fixing should be positioned in the 'v' groove located in the tongue of the board at every batten junction. The fixing should be driven obliquely through the cladding as shown right.
- 5 Any cuts to the **Q-Clad™** or **Q-Garden®** cladding should be end grain preservative treated with Hickson Decor Ensele end grain preservative or Ronseal end grain preserver to meet the terms of the **Q-Clad™** ten year warranty.
- 6 Any joints between boards butted end to end or to trims should be caulked/sealed (and monitored/maintained as detailed in the warranty). Alternatively 8-10mm gaps between joints/trims can be left, which enables natural ventilation and less maintenance. Poor detailing can cause the moisture content of the cladding to become too high and may cause discolouration of light coloured paints in these specific areas.
- 7 Take care to avoid splitting the timber when nailing near the end of boards (drilling pre-pilot holes may be required. Making the nail head blunt can also serve to minimising splitting).
- 8 Depending on the batten/joist width, it can be prudent to use counter battens at the junction of boards butted end to end, to provide a wider area to nail 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 paint are acceptable, such as those by Sikkens.

It is very important that the manufacturer's painting instructions are followed. In particular the paint must be able to cure/dry in the time indicated on the tin. Factors effecting the rate of cure/drying are the moisture content of the **Q-Clad™** cladding itself and the ambient weather conditions when the paint is applied. Discolouration of the applied paint film can occur if the cladding being painted is

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above 20% moisture content and/or the weather conditions don't allow the paint system to cure/dry effectively. If in doubt only apply top coats of paint to **Q-Clad™** after an extended period of dry weather (However, if fitted with inadequate ventilation then the moisture content must be assessed and controlled first) and in warm and dry weather conditions. Alternatively, pre-paint the cladding in a controlled dry and warm environment such as a garage, prior to fitting.

- 10** If you intend to finish white **Q-Clad™** products in a darker shade of paint it is advisable to paint the joint between adjoining boards as they are fitted as shown. This serves to ensure no white areas of cladding appear if the boards shrink slightly in warmer seasons.
- 11** **Q-Garden®** claddings have water repellent properties as they are preservative pre-treated with Tanalith® E Extra providing the timber with an extra level of protection. If you intend to stain or paint **Q-Garden®** claddings please note that water based stains/paints are not ideally suited because of the water repellent nature of the treatment. Therefore, it is advisable to use organic solvent based alternatives such as Sadolin Classic.
- 12** **Q-Clad™** is supplied at an average moisture content of 14-16% (tolerance +/- 2%). It should not be stored in a situation that allows it to become too wet or too dry as the affects may be seen in situation in the form of excessive swelling or shrinking boards.
- 13** **Q-Garden®** cladding is supplied preservative pre-treated to order so in principle should be allowed to become touch dry before fitting, otherwise the affects of shrinkage may become apparent in situation.
- 14** **Q-Clad™** should be stored in suitably protected conditions to avoid direct wetting. Storage in an un-heated garage or shed is ideal. If the products have to be stored outside one should protect packs with loose water proof covers that allows air to circulate. The packs should be suitably supported off the ground out of contact with soil or water and with sufficient support to prevent deflection/sagging of the packs, ie. every 600mm.

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