DAVIDSON
TIMBER

Timber Cladding Guide

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THE COMMERCIAL CLADDING COMPANY

At Davidson Timber UK Ltd, we specialise in timber cladding, bringing over 40 years of expertise and dedication to the industry. As independent agents and distributors, we provide a wide selection of high-performance timber cladding solutions. Our products are expertly treated and coated to enhance the natural beauty, durability, and functionality of timber.

Working closely with Architects, Contractors, Developers and individual Self Builders on a national basis, we provide technical information, advice, and quotation services.

Our finished materials are sustainable, responsibly purchased, and certified with either FSC® C134890 or PEFC/16-37-2672.

FSC
www.fsc.org
FSC® C134890
The mark of responsible forestry

PEFC
PEFC/16-37-2672
Davidson Timber Uk Limited has a PEFC certified chain of custody
www.pefc.co.uk

TIMBER DEVELOPMENT UK
MEMBER

TIMBER SPECIES OVERVIEW

The varied range of species and products offered by Davidson Timber will ensure our customers are able to specify and order the cladding most suited to their project requirements.

All the timber species offered come from renewable sources and offer a low carbon footprint when compared with other construction materials.

By speaking to Davidson Timber and clearly specifying what you want from your cladding, the team will be able to understand the options available and find the right cladding solution for your project.

04 PRESSURE TREATED EUROPEAN REDWOOD

A Scandinavian, Kiln Dried product with a low moisture content and open cell structure makes Redwood an ideal species to pressure treat. When pressure treated, a 30-year warranty can be offered on the product.

07 EUROPEAN LARCH

A popular species for timber cladding, slow grown with a distinctive straight grain structure and live inter grown knots. Left uncoated this moderately durable and hardwearing timber will weather down to a silver grey appearance over time.

10 UK & CANADIAN WESTERN RED CEDAR

Canadian Western Red Cedar is a durable softwood, slow grown, naturally durable, stable, light weight and has a natural beauty and warmth complemented by a uniform fine grain. UK Grown Cedar is moderately durable and will contain more frequent, and larger knots than its Canadian namesake.

13 UK GROWN LARCH

Homegrown Larch offers different characteristics than imported namesakes, moderately durable and will contain more frequent knots than the imported species – ideal for when the more rustic or traditional timber is required.

16 THERMOWOOD

Produced by heat treating Scandinavian pine & spruce to temperatures in excess of 200°C. During this heat treatment, both chemical and structural changes occur within the timber which alter and improve some of its basic characteristics, resulting in a more durable and stable timber.

19 THERMO RADIATA PINE

Thermo Radiata Pine is a thermally modified softwood known for its enhanced durability, stability, and rich, dark appearance. Through a heat treatment process without the use of chemicals, the timber becomes more resistant to decay, moisture, and dimensional movement. Lightweight and easy to work with, it is ideal for exterior cladding and decking applications, offering a sustainable alternative with improved performance and an attractive, contemporary

22 THERMALLY MODIFIED AYOUS

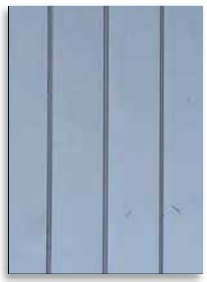
Thermally Modified Ayous is a lightweight, tropical hardwood that has undergone heat treatment to enhance its durability, stability, and resistance to decay. The process gives the timber a rich, uniform colour and reduces its moisture absorption, making it ideal for external cladding. With its smooth, knot-free appearance and excellent performance, it offers a sustainable and low-maintenance alternative to traditional hardwoods.

25 CANADIAN DOUGLAS FIR

Canadian Douglas Fir is a high-quality softwood prized for its strength, stability, and distinctive grain. It features a warm reddish-brown hue with a moderate knot content and a tight, uniform grain pattern. Naturally tough and moderately durable, it is well-suited for exterior cladding where both performance and appearance are important.

28 ACCOYA®

Manufactured using a non-toxic treatment and timber sourced from sustainable forests, Accoya® wood has properties that match those of the best tropical hardwoods. A Class 1 Durable Timber, predominately offered pre-coated with a range of film building options.



31 FACTORY APPLIED COATINGS

Davidson Timber supply factory-painted timbers, including Accoya® and Thermowood, in partnership with leading paint manufacturers. Our controlled process ensures consistent quality, saving time, labour, and cost compared to on-site application.

33 SWEET CHESTNUT AND OAK CLADDING

British Sweet Chestnut, and European Oak are both popular options, often finger-jointed to cut out defects and offer a more usable length, less common that softwood species for cladding, but for the right project, a Hardwood cladding can be just what is required.

REDWOOD

European Redwood is a very popular specie for timber cladding, this specie is also known as Scots Pine. European Redwood is a well known specie which is imported from Scandinavia.

REDWOOD A+

1. Certified products available on request, sustainably sourced Timber
2. Imported from Scandinavia
3. Selected boards for a very low number of knots
4. All timber is sourced and machined to CE Quality Grading Requirements
5. Available lengths from 2.1 – 4.8m+ (common lengths 3.9, 4.2, 4.8m)
6. 6. Max live knot diameter on face: 18mm. 1 knot per metre on average over a 4.5m length

REDWOOD A

1. Certified products available on request, sustainably sourced Timber
2. Imported from Scandinavia
3. All timber is sourced and machined to CE Quality Grading Requirements
4. Available lengths from 2.1 – 4.8m+ (common lengths 3.9, 4.2, 4.8m)
5. Max live knot diameter: 40mm. along the length of timber

REDWOOD B

1. Certified products available on request, sustainably sourced Timber
2. Imported from Scandinavia
3. All timber is sourced and machined to CE Quality Grading Requirements
4. Available lengths from 2.1 – 4.8m+ (common lengths 3.9, 4.2, 4.8m)
5. Max live knot diameter: 60mm along the length of timber

DETAILED INFORMATION

REDWOOD

Wood Type
Softwood.

Origin
Europe.

Durability
Moderately durable.

Typical Lengths
2.4m – 5.1m.

Density
510 kg/m3 at 16-18% moisture content.

Dimensional stability
Moderate.

Typical section sizes
Ex 25, 32, 50, 75, 100mm x 25, 50, 75, 100, 125, 150, 175, 200mm.

Typical End Uses
Widely used in both Cladding and Decking scenarios.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
For its weight, the timber is strong and moderately hard, Redwood machines well, allowing a nice smooth finish.

Quality
Davidson Timber typically offer European Redwood in A, or A+ Grade, a B Grade product is available for lower specification projects.

Sustainability
From responsible sources – FSC® *Certified products available on request* and/or PEFC timber.

Colour
The sapwood is creamy-white to yellow in colour, the heartwood is pale yellow-brown to red-brown, resinous, and usually distinct from the sapwood.

Fire Treatment
Can be fire treated to Euroclass B.

REDWOOD

TREATMENTS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30-year warranty against rot & fungal decay with Pressure Treatment (when installed out of ground contact). Pressure Treated timber requires little ongoing maintenance and is perfectly suited for use as an External Timber Cladding.

Two treatment options are available, as standard the treatment is a clear copper-based preservative. The clear treatment option will allow the timber to naturally weather to a silver/grey over time. If there is a desire to retain an element of the original timber appearance, then the treatment can also be provided with a brown pigment, slowing that additional weathering process down.

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTFE2

DTS1

EUROPEAN LARCH

European larch timber cladding is a moderately durable timber. It is a slow grown high density, softwood with a colour that ranges from a light straw yellow to a gold/brown. European larch is a popular, cost effective species of coniferous

EUROPEAN LARCH

1. Certified products available on request, sustainably sourced Timber
2. All timber is sourced and machined to CE Quality Grading Requirements
3. Kiln Dried to 14-20% Moisture content
4. Typically 3.0m - 5.7m lengths
5. Average knot diameter: 60mm

DETAILED INFORMATION

EUROPEAN LARCH

Wood Type
Softwood.

Colour
Varies from pale yellow to orange to golden brown.

Durability
Moderately durable.

Typical Lengths
2.4m – 4.0m.

Density
590-650 kg per m3 at 14% moisture content.

Dimensional stability
It has a tendency to distort when wet or not dried, but once dry, is generally stable.

Typical section sizes
Ex 25, 32, 50, 75mm x 25, 50, 75, 100, 125, 150, 175mm.

Typical End Uses
Widely used in both Cladding and Decking scenarios.

Fixings
Stainless steel fixings are always recommended.

Strength
It is one of the hardest and strongest commercial softwoods available.

Quality
Selected grade.

Sustainability
Sourced from well managed forests – FSC® certified products available on request.

Fire Treatment
Can be fire treated to Euroclass B.

EUROPEAN LARCH

TREATMENTS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTFE2

DTS1

Eased or rounded edges are required if coatings are to be applied to above profles. Other profiles available on request.

UK & CANADIAN WESTERN RED CEDAR

Canadian Wester Red Cedar is a durable softwood, slow grown, naturally durable, stable, light weight and has a natural beauty and warmth complemented by a uniform fine grain. UK Grown Cedar is moderately durable and will contain more frequent and larger knots than its Canadian namesake.

CANADIAN WRC CLEAR

1. Sustainably sourced Timber
2. Imported from Canada
3. All timber is sourced and machined to CE Quality
4. Grading Requirements
5. Max live knot diameter on face: 19mm. Limited along the length of timber
6. Many boards supplied are clear boards

CANADIAN WRC CLEAR & BETTER 15% 4 CLEAR

1. Sustainably sourced Timber
2. Imported from Canada
3. All timber is sourced and machined to CE Quality Grading Requirements
4. Max live knot diameter on face: 38mm. Limited along the length of timber
5. Many boards supplied are clear boards
6. Including a percentage of boards graded to No. 4 Clear, the majority meeting No. 2 Clear

UK - CLADDING GRADE

1. Can be offered FSC®/PEFC Certified products available on request
2. Grown around the United Kingdom
3. All timber is sourced and machined to CE quality Grading Requirements
4. Frequent knots and visible grain

DETAILED INFORMATION

UK & CANADIAN WESTERN RED CEDAR

Wood Type
Softwood.

Typical Lengths
1.828m (6ft) – 4.88m (16ft).

Typical section sizes
Ex 22, 32, 50, 75mm x 22, 50, 75, 100, 125, 150, 175mm.

Strength & working properties
As it is a soft timber it can be more prone to physical damage in terms of splitting and indentation/bruising, care should be taken.

Colour
Salmon pink sapwood to dark brown Heartwood – If left unprotected, it will turn to a silver/grey colour.

Fire Treatment
Can be fire treated to Euroclass B.

Origin
Canadian – North America and Western Canada.

UK - Commercially grown around the UK.

Density
390 kg per m3 at 16% Moisture Content.

Typical End Uses
Cladding, Brise Soleil systems, Shingles & Decking.

Quality
Canadian – Imported as No.2 Clear and Better and No 4 Clear and Better. UK - Cladding Grade - frequent and large knots throughout the grade.

Chemical Properites
This specie has natural preservatives which can have a corrosive effect on some unprotected metals, causing a black stain on the wood.

Durability
Canadian – durable, high resistance to decay.

UK - Moderately durable timber, recommended to treat with preservative.

Dimensional stability
Canadian – It has a very low shrinkage factor and is superior to all other coniferous woods in its resistance to warping, twisting and checking. UK - Medium moisture movement, potential for splitting due to higher knot content.

Fixings
Stainless steel fixings are always recommended.

Sustainability
Sourced from well managed forests – FSC® *reg: certified products available on request* and/or PEFC timber.

UK & CANADIAN WESTERN RED CEDAR

TREATMENTS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTSN1 (CANADIAN ONLY)

DTSN2 (CANADIAN ONLY)

Eased or rounded edges are required if coatings are to be applied to above profles . Other profiles available on request.

UK GROWN LARCH

British Larch is an indigenous species which grow in various parts of Britain giving an improved carbon footprint to local projects and developments.

UK GROWN LARCH CLADDING

1. Certified products available on request, sustainably sourced Timber
2. Grown within the United Kingdom
3. All timber is sourced and machined to CE Quality Grading Requirements
4. Faster grown than imported species, large and frequent knots along the length

DETAILED INFORMATION

UK GROWN LARCH

Wood Type
Softwood.

Origin
UK.

Durability
Moderately durable.

Typical Lengths
2.4m – 4.8m.

Density
550 kg per m3 at 18% moisture content.

Dimensional stability
It has a tendency to distort when wet or not dried, but once dry, is generally stable.

Typical section sizes
Ex 25, 32, 50, 75mm x 25, 50, 75, 100, 125, 150, 175mm.

Typical End Uses
Widely used in both Cladding and Decking scenarios.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
Moderately durable locally grown timbers, significantly higher knot content than their imported counterparts due to growth rates in our warmer climate, with a lower carbon footprint.

Quality
Joinery and Structural.

Sustainability
Sourced from well managed forests – FSC® *certified products available on request*.

Colour
A pale red/brown.

Fire Treatment
Can be fire treated to Euroclass B.

UK LARCH

TREATMENTS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTFE2

DTS1

THERMOWOOD

Thermowood is produced by heat treating Finnish grown European Redwood/Whitewood (Scandinavian Pine/Spruce) to temperatures in excess of 200 degrees Centigrade. During heat treatment, chemical and structural changes occur within the timber which alter and improve some of its basic characteristics.

As a result of the treatment, the resulting environmentally-friendly Thermowood is created. Its colour darkens, it is more stable than normal wood in conditions of changing humidity and its thermal insulation properties are improved, ideal for use in exposed areas such as External Timber Cladding. The heat treatment process enables the use of Scandinavian Redwood in areas requiring a service life of up to 30 years without the need for any further preservative or coating to be applied. The process removes resin from timber. As a result there is no resin leakage or "bleed" through the surface coatings. The combined effect of this together with the improved stability can lead to a lower maintenance requirement.

SUPPLY THERMOWOOD D

All grading information is given as general guidance, to meet the criteria set through CE marking, quality and grading requirements.

1. Certified, sustainably sourced Timber
2. Imported from Scandinavia
3. All timber is sourced and machined to CE Quality Grading Requirements
4. Thermally Modified to 6% Moisture content
5. Typically 2.4m+ lengths
6. Frequent knots, creating character and variation from one board to the next

DETAILED INFORMATION

THERMOWOOD

Wood Type
Softwood.

Origin
Finland.

Durability
Durable.

Typical Lengths
2.4m +

Density
350 - 480kg/m3 when moisture content is 6%.

Dimensional stability
Thermal modification increases stability.

Typical section sizes
Ex 25, 32mm x 50, 75, 100, 125, 150mm.

Typical End Uses
External Cladding.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
Thermal modification gives increased durability and stability - ideal for external cladding both coated, and uncoated.

Quality
Davidson Timber typically offer Thermowood D.

Sustainability
Sourced from well managed forests.

Colour
Medium/dark brown.

Fire Treatment
Can be fire treated to Euroclass B.

THERMOWOOD

TREATMENTS & COATINGS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTSN1

DTSN2

Eased or rounded edges are required if coatings are to be applied to above profles. Other profiles available on request.

THERMO RADIATA PINE

Thermally modified Radiata Pine, is produced using only heat and steam. Carried out on sustainable plantation grown Radiata Pine from New Zealand. Plantation grown timber yields the large logs required for the product within 30 years, much shorter than old growth Canadian Western Red Cedar for example where logs can take hundreds of years.

The thermal modification process works by heat treating the timber to temperatures in excess of 210 degrees centigrade through various heating and cooling cycles. During this cycle, chemical and structural changes occur within the timber which alter and improve its characteristics.

The product is almost knot and defect free, with only the odd pin knot allowed.

TEKNOS

remmers

DETAILED INFORMATION

THERMO RADIATA PINE

Wood Type
Softwood.

Origin
New Zealand.

Durability
Class 1 Highly Durable.

Typical Lengths
1.8 – 4.8m in 300mm increments.

Density
420kg/m3.

Dimensional stability
Low Moisture Movement.

Typical section sizes
Ex25x50 to Ex50x150mm.

Typical End Uses
Cladding & Decking.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
Thermally Modified Timbers can be brittle

Quality
Davidson Timber can offer exceptional quality with very few defects.

Sustainability
Sourced from well managed forests.

Colour
Deep Brown after Thermal Modification.

Fire Treatment
Can be fire treated to Euroclass B.

THERMO RADIATA PINE

TREATMENTS & COATINGS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTSN1

DTSN2

Eased or rounded edges are required if coatings are to be applied to above profles. Other profiles available on request.

THERMALLY MODIFIED AYOUS

Ayous is a hardwood native to the forests of Western and Central Africa the trees typically grow to around 50m in height.

We offer a Thermally Modified Ayous, this modification process heat treats the timber to temperatures in excess of 210 degrees centigrade. During this process, both chemical and structural changes occur within the timber which change its characteristics.

Once this environmentally-friendly treatment process is complete, the timber will have changed visually, now a much darker colour from its pre treated state.

The product will now be more stable than the unmodified timber in conditions of changing humidity and its thermal insulation properties are improved. A number of changes that make it well suited for use in exposed areas such as external timber cladding.

Thermally modified Ayous timber cladding is almost entirely defect free, providing a very clear board suited for contemporary timber cladding installations.

TEKNOS

remmers

DETAILED INFORMATION

THERMALLY MODIFIED AYOUS

Wood Type
Hardwood.

Origin
Africa.

Durability
Class 1 Highly Durable.

Typical Lengths
1.85 – 6.1m in 300mm increments.

Density
390kg/m3.

Dimensional stability
Low Moisture Movement.

Typical section sizes
Ex25x50 to Ex75x200mm.

Typical End Uses
Cladding & Decking.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
Thermally Modified Timbers can be brittle

Quality
Davidson Timber can offer exceptional quality with very few defects.

Sustainability
Sourced from well managed forests.

Colour
Deep Brown after Thermal Modification.

Fire Treatment
Can be fire treated to Euroclass B.

THERMALLY MODIFIED AYOUS

TREATMENTS & COATINGS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTSN1

DTSN2

Eased or rounded edges are required if coatings are to be applied to above profles. Other profiles available on request.

CANADIAN DOUGLAS FIR

Canadian Douglas Fir, from central Canada is an ideal for timber cladding in areas of high footfall where other, softer species may be prone to damage. A cost effective species that performs well, with a medium texture and defined straight grain the product will naturally weather down to silver/ grey when left uncoated.

Boards will contain knots, and varying grain showing character from one board to the next, sapwood of the species is typically lighter in colour than the deeper, darker heartwood.

DETAILED INFORMATION

CANADIAN DOUGLAS FIR

Wood Type
Softwood.

Origin
Canada.

Durability
Class 3 Moderately Durable.

Typical Lengths
1.8 – 4.8m in 300mm increments.

Density
620kg/m3.

Dimensional stability
Medium Moisture Movement.

Typical section sizes
Ex25x50 to Ex50x150mm.

Typical End Uses
Cladding & Decking.

Fixings
Stainless steel fixings are always recommended.

Strength & working properties
Durable Timber Cladding offering strength and moderate resistance to weathering and decay.

Quality
The Timber displays a clean, linear grain with sound knots that do not compromise structural integrity.

Sustainability
Sourced from well managed forests.

Colour
Light Sapwood, Yellow -> Red/Brown Heartwood.

Fire Treatment
Can be fire treated to Euroclass B.

CANADIAN DOUGLAS FIR

TREATMENTS

Treatments can be applied to various cladding species to enhance or alter their colour or give them long term protection against the elements.

Davidson Timber can provide a 30 year warranty against rot & fungal decay. The treatment process enables the timber to hold colour longer, requiring little or no maintenance.

- **CAN BE FACTORY COATED**
- **CAN BE PRESSURE TREATED**
- **SUITABLE FOR FIRE TREATMENT**

PROFILES

DTC1

DTC2

DTC3

DTC4

DTC5

DTC6

DTCC1

DTFE2

DTS1

ACCOYA®

Accoya® wood is the result of decades of research and development that has brought together long-established and extensively proven wood modification technique – acetylation – and lead-edge patented technology to create a high performance wood ideal for timber cladding.

DETAILED INFORMATION

ACCOYA®

Accoya® high performance wood is suitable for wooden cladding and façades where aesthetics, less frequent maintenance, dimensional stability, durability and insulation value are key factors. Accoya's® versatility makes it ideal for use in residential, commercial and industrial structures.

Manufactured using a non-toxic treatment and timber sourced from sustainable forests, Accoya® wood has properties that match those of the best tropical hardwoods.

Every batch of Accoya® wood is tested after production to ensure that its durability can be guaranteed.

Take a look at just some of the benefits:

01. Accoya® wood is modified all the way through, not just at the surface.

02. Coating maintenance intervals can be expected to be twice as long on Accoya® wood.

03. Thermal conductivity is improved in comparison with softwoods and hardwoods.

Sustainability

By significantly enhancing the durability and dimensional stability of fast growing, abundantly available certified wood species, Accoya® wood provides compelling environmental advantages over scarce slow growing hardwoods, woods treated with toxic chemicals, and nonrenewable carbon-intensive materials such as plastics, steel and concrete. Accoya® has been certified at the C2C Gold level since 2010, as the only structural building material around. A large benefit of C2C certification is that, especially at the higher certification levels (Gold & Platinum) it contributes to several credits in recognised Green
Building Schemes such as LEED and BREEAM.

At end-of-use, Accoya® provides no challenges whatsoever. It can be treated similar to untreated wood and thus can be re- or upcycled in various ways.

- Always sustainably sourced from abundantly available, often fast growing wood species
- Use phase advantages: increased life span, less maintenance, superior thermal insulation
- Non toxic and 100% recyclable – a perfect fit with the bio-cycle of the C2C philosophy
- CO_2 negative over the full life cycle

Durability

Accoya® wood's durability (resistance to rot) is Class 1, matching and even exceeding the performance of nature's most durable woods such as Oak, Teak, Iroko and Sapele. Every batch of Accoya® wood is tested after production to ensure that its durability can be guaranteed.

- Class 1 durability – facilitating a longer life span
- Lasting 50 years above ground

Strength & working properties

Significantly enhancing the dimensional stability of Accoya® wood provides compelling environmental advantages over slow-growing hardwoods (which are often unsustainably sourced) and non-renewable carbon-intensive materials such as plastic, steel and concrete.

Properties of Accoya® wood match, or even exceed those of the best tropical hardwoods, yet is manufactured from sustainably sourced wood.

- Outstanding dimensional stability

ACCOYA®

PROFILES

DTA 01

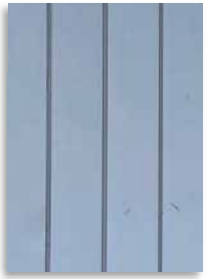
DTA 02

DTA 02 (95MM)

TEKNOS

remmers

FACTORY APPLIED COATINGS



Coated Cladding continues to be popular and Davidson Timber are able to offer a wide range of factory applied coating options. This ensures a high quality finish. Davidson Timber can also offer a range of brushed, sanded and sawn finishes with a factory applied finish.

Coating performance is important, the thermally modified species is dimensionally stable and this enhances coating performance considerably. Many coating manufacturers offer warranties if their coatings are applied.

FACTORY APPLIED COATINGS

1. Certified products available on request
2. Working with a number of species
3. Offer factory-painted Accoya®
4. High-end painted Timber Cladding

DETAILED INFORMATION

FACTORY APPLIED COATINGS

FACTORY APPLIED COATINGS

Davidson Timber offer factory finished coated options, manufactured and coated in The UK.

Working with some of the leading paint manufacturers in their field, Davidson Timber are able to offer the natural appearance of timber with a full range of colours or stains to fit your project.

A quality controlled environment which is quick and efficient, ensuring consistent quality throughout the order, offering significant saving in time, labour, and money VS on site application.

TEKNOS

remmers

PROFILES

DTPC1

DTPC2

DTPC3

DT01

DT02

SWEET CHESTNUT & OAK TIMBER CLADDING

Primarily we see Softwoods specified for timber cladding, Davidson Timber are also able to offer selected Hardwoods; Sweet Chestnut, and Oak; UK, European and American.

TANNINS

With both Oak and Sweet Chestnut it should be noted that for the first few months after installation the high tannin content of the timbers will begin to exude. This is turn will result in staining where the timber either comes into direct contact, or has poor interface detailing with other materials such as render, masonry, or permeable stone. As with all of our Timber claddings, we recommend Stainless Steels Fixings are used on Hardwood timbers, the Tannins within Oak and Sweet Chestnut will corrode ferrous metals.

WEATHERING

Left uncoated, both Sweet Chestnut and Oak will weather down over time – the natural variation in colour of the freshly machined boards will even out to a more uniform silver/grey.

DETAILED INFORMATION

BRITISH SWEET CHESTNUT & OAK TIMBER CLADDING

Wood Type

Sweet Chestnut – Hardwood.

Oak – Hardwood.

Typical Lengths

Sweet Chestnut – Jointed at either 4.0m or 6.0m, allowing for a small % of cut-backs.

Oak – Finger jointed lengths open up the availability to match specification.

Typical section sizes

Sweet Chestnut – Ex 25mm x 75, 100, 125, 150mm.

Oak – Ex 25mm x 75, 100, 125, 150mm.

Strength & working properties

Sweet Chestnut – Sweet Chestnut resembles Oak, although is easier to work with than Oak. Pre-drilling would be recommended.

Oak – Pre-drilling, and screw fix would be recommended.

Origin

Sweet Chestnut – UK, Europe.

Oak – UK, Europe, America.

Density

Sweet Chestnut – 550 – 650 kg per m3 at 16% moisture content.

Oak – 670+ kg/m³ average.

Typical End Uses

Sweet Chestnut – Cladding.

Oak – Timber Frame, Cladding.

Availability

Sweet Chestnut – Sawn and planed products in a wide range of thicknesses, widths and profiled patterns.

Oak – Sawn and planed products in a wide range of thicknesses, widths and profiled patterns.

Fixings

Sweet Chestnut – Stainless steel fixings are always recommended. **Oak** – Stainless steel fixings are always recommended.

Durability

Sweet Chestnut – Durable (Class 2 EN350-2).

Oak – Durable.

Dimensional stability

Sweet Chestnut – When the product is finger jointed and moisture content is 18%, movement will be small.

Oak – When the product is finger jointed and moisture content is 18%, movement will be small.

Sustainability

Sweet Chestnut – Sourced from well managed forests – *Certified products available on request*.

Oak – Sourced from well managed forests – *Certified products available on request* and/or PEFC available on request dependent on origin selected.

Fire Treatment

Can be fire treated to Euroclass B.

SWEET CHESTNUT & OAK TIMBER CLADDING

DETAILED INFORMATION CONTINUED

Sweet Chestnut – Sweet Chestnut has a high tannin content which can be released when the timber becomes damp or wet. This can lead to staining in contact with metal or ferrous fixings. It is advisable to protect any surfaces that may come into contact with the board prior to fixing. Staining may be removed using an oxalic acid cleaning agent. Once the tannins have exuded, untreated, the timber will weather to a silver/grey.

Oak – Oak has a high tannin content which can be released when the timber becomes damp or wet. This can lead to staining in contact with metal or ferrous fixings. It is advisable to protect any surfaces that may come into contact with the board prior to fixing. Staining may be removed using an oxalic acid cleaning agent. Once the tannins have exuded, untreated, the timber will weather to a silver/grey.

Colour

Sweet Chestnut – Light straw like appearance, with colour variation due to finger jointing.

Oak – Range of colours, spreading through yellow to brown. Colour variation may be more apparent on finger jointed specification.

PROFILES

DTC4

DTC5

DTC6

DTCC1

The choice of materials by buyers in every market sector is now influenced by environmental concerns and to compete effectively, wood products must show their environmental credentials.

In the timber trade, there is an increasing demand for FSC® and PEFC certified wood. Major companies and government bodies increasingly favour suppliers which offer chain of custody certification.

CHAIN OF CUSTODY/TIMBER CERTIFICATION

WHAT IS FSC® AND PEFC?

- FSC® stands for - Forest Stewardship Council®
- PEFC stands for - Programme for the Endorsement of Forest Certification

Both of the above organisations are global bodies that are involved in guaranteeing that timber comes from a responsible

WHAT IS CHAIN OF CUSTODY?

Chain of Custody certification, is an assessment from an independent, qualified expert who verifies in writing that the wood flow system applied by a business traces the flow of wood from certified forests through the business and meets the exacting requirements of the certification scheme.

In short Chain of Custody certification monitors the amount of timber a company buys from responsible and well managed sources. It traces and records the movement of all timber through the business and when the timber package is then sold to customers, it confirms all procedures have been followed by stating an FSC® *certified products available on request* or PEFC claim on sales documents.

FSC
www.fsc.org
FSC® C134890
The mark of responsible forestry

PEFC
PEFC/16-37-2672
Davidson Timber Uk Limited has a PEFC certified chain of custody
www.pefc.co.uk

TIMBER DEVELOPMENT UK
MEMBER

ABOUT PRESSURE TREATMENT

At Davidson we can offer two different preservative treatments, either a regular green/clear treatment (the green in excess copper and will weather off upon exposure to UV). The other option is a treatment containing a brown pigment which will slow the natural weathering process of your timber.

Most timber species don't require preservative treatment as they have a natural durability. However, species such as European Redwood do require a preservative treatment to be applied in order to have the long term performance that is expected of Timber Cladding.

This end use of the timber is key to ensuring the correct treatment is specified, the Use Class (British/European Standard BS EN 335-1) will outline how much preservative is required to be present in the timber. Allowing us to offer a 30 Year Warranty against rot & fungal decay when Timber is installed out of Ground Contract, when treated to Use Class 3.

Treatment is carried out in accordance to BS8417 Preservation of Wood Code of practice.

1. Appropriate selection and preparation of wood
2. Use of an effective wood preservative
3. Selection of desired service life

Timber Cladding is growing in popularity as a material within the construction industry. Being a versatile, aesthetically pleasing and cost effective material, there is an ever increasing demand across all sectors of the industry, noticeably in **Residential, Education, Health Care and Retail** projects.

ABOUT FIRE TREATMENT

Timber Cladding is being used every month on projects in all sectors, untested materials are now classified as EuroClass F (Euroclasses under the Construction Products Regulation and are classified in accordance with EN 13501-1.).

With most of our timber species we can add the additional service of Pressure Impregnated Fire Treatment to achieve EuroClass B. (previously Class "0" (BS 476 Part 6 & 7 'Spread of Flame').

At Davidson Timber we will only work with Pressure Impregnated Fire Treatments, as the name would suggest these are pushed into the cell structure of the timber under high pressure, followed by re-kilning of timbers.

Fire Treating Timber can only reach a maximum of B, smoke production and flaming droplets are reported, in addition to the following combustibility and contribution to fire: i.e. Euroclass B – s1, d0 is the highest for a Timber Cladding.

HOW TO SPECIFY DAVIDSON TIMBER CLADDING

If you have decided that Cladding is going to be one of the materials on your project the next step is to create a specification that will meet the criteria and expectations you, and your client have.

The Davidson Timber team will work with you to find the best solution for your project, including:

1. Material / Species
2. Profile
3. Size
4. Treatment
5. Factory applied coatings
6. Fire Treatment

We offer installation, detailing guidance based on TRADA documentation, with a wealth of knowledge and information on how different timbers will perform over the life span of your project.

Please get in contact if you would like Davidson Timber to create a H21 specification for you.

DAVIDSON
TIMBER

CONTACT US TODAY

At Davidson Timber, we pride ourselves on proactive communication with both existing and prospective clients.

If you have a question to ask us or would like to receive a quotation, please feel free to contact us today via email or phone.

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The information in this document is correct as of: 05/06/2026.