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Siberian Larch (SILA) Cladding

A popular choice due to its aesthetic beauty and excellent durability

Siberian Larch Cladding



Russwood's Siberian Larch (SILA) is the cladding of choice for many architects, contractors and self-builders, due to the fact that it is extremely versatile - being suitable for most external timber cladding applications - has excellent durability properties and displays attractive figuring.

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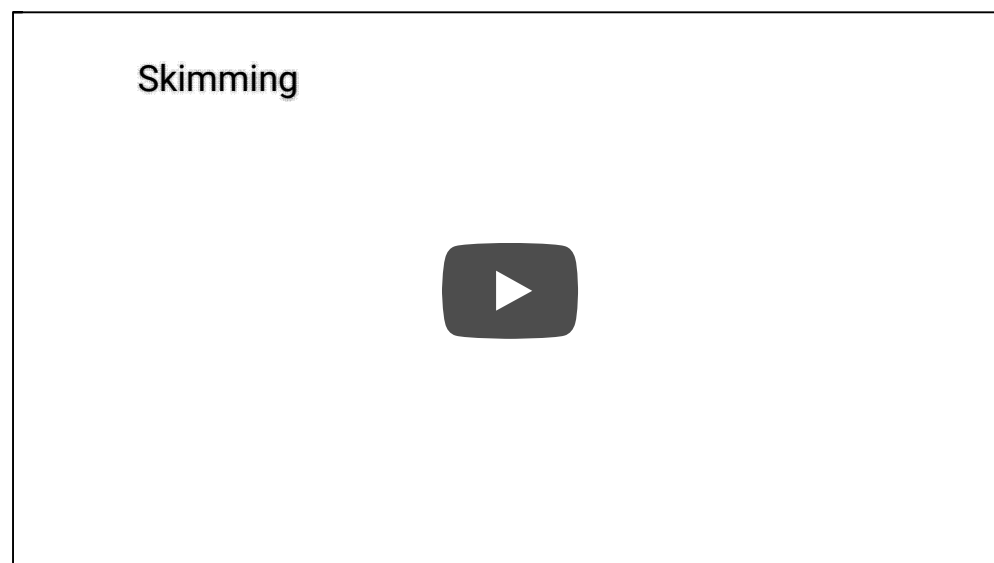
Appearance

Russwood's SILA boards come in a warm mix of colours, from light reddish brown through to golden browns. When weathered the colour changes to a muted grey tone, which is desirable in many cladding projects.

With clearly marked annual growth rings, straight grain and relatively few knots the overall look displays attractive figuring with a contemporary look.

Important information regarding sawn-faced profiles or board on board arrangements

Siberian Larch is imported to the UK in board form. Depending on which mill it came from it will have variety of surface finishes. For example, circular sawn marks, twin arbour lines, paint marks, grease marks or compression marks from steel securing bands. To avoid an unsightly surface finish, Russwood skim the face of each board to provide a clean, unblemished fine-sawn finish. See a short video of our skimming process below.



Grades and specification

We offer three grades; A/B, A+ and B/C, with the specifications being as stated below.

Russwood SILA A/B®

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Russwood offers SILA A/B® grade which presents an ideal combination of durability with a clean, relatively knot free look and is ideal for design led projects. The specification for SILA A/B® is as follows:

Russwood SILA A/B® ≤25mm

- Graded to BS1186-3 Part 4 Class 1; each board is practically centre free, one face will be sap free, tight live knots have a maximum 25mm diameter and a maximum of two knots per metre on average over the total length of the boards
- As Siberian Larch is imported to the UK in board form, to avoid unsightly surface finishes such as circular-saw marks, paint/grease marks and compression marks from steel securing bands, Russwood skim the correct face of each board to provide a clean, unblemished fine-sawn finish
- Kiln-dried to moisture content of approximately 16-18% (+/- 2%)
- End checks permitted not longer than 1.5 times width of board
- Lengths up to 6.0m
- We select from the best available grades in Europe and guarantee that your order will not contain any commonly available, lower quality grades such as IV's or sawfalling
- FSC®-certified product sourced from sustainable forests

Russwood SILA A/B® ≥25mm

- Graded to BS1186-3 Part 4 Class 2; each board is practically centre free, one face will be sap free, tight live knots have a maximum 35mm diameter and a maximum of two knots per metre on average over the total length of the boards
- Kiln-dried to moisture content of approximately 16-18% (+/- 2%)
- End checks permitted not longer than 1.5 times width of board
- Lengths up to 6.0m
- We select from the best available grades in Europe and guarantee that your order will not contain any commonly available, lower quality grades such as IV's or sawfalling
- FSC®-certified product sourced from sustainable forests

Russwood SILA A+ ≤25mm

Russwood also produces a limited quantity of A+ grade. This is virtually a clear grade timber, providing a clean, consistent, almost knot-free look combined with excellent durability. At times these boards are in limited supply. The specification for SILA A+ is as follows;

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- Graded to BS1186-3 Part 4 Class 1; each board is practically centre pith free, one face will be sap free
- Further hand-selection of clearest grade boards which meet stringent criteria; tight live knots with a maximum 12mm diameter and a maximum of two knots per metre on average over the total length of boards
- As Siberian Larch is imported to the UK in board form, to avoid unsightly surface finishes such as circular-saw marks, paint / grease marks and compression marks from steel securing bands, Russwood skim the correct face of each board to provide a clean, unblemished fine-sawn finish
- Kiln-dried to moisture content of approximately 16-18% (+/- 2%)
- End checks permitted not longer than 1.5 times width of board
- Lengths up to 6.0m
- We select from the best available grades in Europe and guarantee that your order will not contain any commonly available, lower quality grades such as IV's or sawfalling
- FSC® certified product sourced from sustainable forests

Russwood SILA B/C

Additionally, Russwood offers SILA B/C, a more rustic grade of Siberian Larch than our A/B and A+ grades. It gives a more knotty, less uniform look, without compromising its excellent durability properties. The specification for SILA B/C is as follows;

- Graded to BS1186-3 Part 4 Class 2; tight live knots have a maximum 50mm diameter and the majority of boards will have at least one sap-free face
- Kiln-dried to moisture content of approximately 16-18% (+/- 2%)
- End checks permitted not longer than 1.5 times width of board
- Lengths up to 6.0m
- Some boards may feature canter/circular saw marks. We therefore recommend re-sawing when using as a board-on-board finish, to create a consistent, clean, bandsaw finish

NBS Specification

For advice on completing the NBS H21 for Siberian Larch cladding please [get in touch with our project team](#).

Durability

For external cladding purposes, Siberian Larch is a naturally durable timber (Class 3 according to BS EN 350-2) due to a combination of factors;

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- The presence of tannins in the wood create a high resistance to decay and rot, making Siberian Larch one of the toughest and most durable softwoods
- High density means that it is more difficult for decaying organisms to penetrate the wood

With a lifespan of 50 -100 years when correctly detailed and subject to general outdoor exposure, this is similar to Russwood's [Architect Select® Western Red Cedar](#). Better durability properties can only be achieved with Russwood's modified timber product: [Accoya® wood](#).

Stability

The tightness of the growth rings and the high proportion of late wood enables a smoother machine finish and enhanced dimensional stability.

Additionally, Russwood's SILA is kiln-dried to approximately 16-18% (+/-2%), the optimal moisture content for external cladding. This moisture level is retained until delivery to site and your cladding can then be installed immediately upon delivery.

Enhanced performance of dimensional stability can be achieved by using narrower widths, for example 120mm, and 95mm.

Density

Due to its high percentage of heartwood (75-90%) and a minimum of sapwood (we guarantee that at least one face will be sap free) SILA is an extremely dense timber, classified by BS EN 350-2 as approximately 628 Kg/m³ at a moisture content of approximately 18%. As such, it is not easily damaged and therefore is ideal for highly exposed elevations, or applications where there is the likelihood of physical damage such as knocks or scrapes (e.g. schools, shopping centres, public walkways).

Coating suitability

Optimal performance is always achieved with sawn faced finishes.

SILA can be factory coated in [SiOO:X](#), a breakthrough water based silicone technology, to provide a genuine silver lustre. In effect, SiOO:X creates a weathered appearance at an accelerated rate. Following application, all areas,

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regardless of protection and exposure, take on consistent tone which provides a solution to differential weathering whilst strengthening the timber's surface and creating a water repellent layer. SiOO:X is also available in a mid-grey colour. For further information about SiOO:X [click here](#).

SILA can also be [factory coated](#) in your choice of colour from Russwood's Teknos paint range. As with all Larch species the best coating performance is achieved by using opaque colours on a sawn surface.

SILA can also be fire-retardant treated.

Fixings

How timber is fixed is fundamental to its long term performance in relation to both appearance and durability.

We offer a range of fixings and systems designed by Austrian Timber Engineers to make cladding look better and last longer. There are a number of options when considering cladding fixings. Sihga's FassadenClip® offers secret fixing giving a modern clean finish where no fixings are visible. Also available from Russwood is Sihga's F-BohrFix ZB® screw for effective secret fixing of tongue and groove profiles or RW115 secret fix profile. For face fixings L-GoFix® A2 screws combined with KompeFix® offer a superior look and performance to alternative face fixing arrangements.

These systems can be written into the NBS H21 specification. For more information on our recommended fixings, [click here](#).

Profiles

We can advise you on the most suitable species and profile for your project. Visit our [profiles](#) section to view some of our most popular profiles, or speak to us to discuss further options.

Sustainability

Russwood's SILA is [FSC®-certified](#), meaning that it is sourced from well-managed forests.

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Size

SILA is available in varying lengths up to 6m. Please note that cladding is supplied as a linear meterage based on random stock lengths at time of picking order. Other sizes may be available on request.

The standard trade board measurement is 150mm wide traditionally this is the most commonly purchased cladding board. However, at Russwood we also offer a range of board widths including 225, 200, 175, 125, 100, and 75mm. The narrower board widths (75, 100, 125mm) offer a number of advantages including more choice in design arrangements and improved dimensional stability. As an additional benefit narrower width boards are generally graded well in excess of their specification.

For large-scale projects we also have the ability to finger-joint and edge-glue SILA. This process allows the customisation of lengths, which could be particularly desirable to create a design look whilst eliminating on site waste. Seamlessly joining shorter boards together can create a cleaner, more dimensionally stable grade at longer lengths, which is often desired by architects and specifiers.

Price

SILA is one of our mid-range products, with prices starting at £28 per m² excluding VAT for sawn boards.

Summary

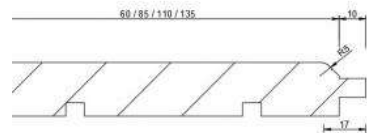
- Clean and contemporary look
- Suitable for most types of cladding application
- Excellent density and durability
- Stringent in-house grading of every board
- Sustainable

For a printable summary of the above information, click here to download our [Siberian Larch Cladding Factsheet](#)

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Profiles

Please note that we have only listed the most popular profiles for each product but there may be others available. Please speak to us to discuss the best options for your project.



RW006 Siberian Larch

Standard widths: 70mm / 95mm / 120mm / 145mm

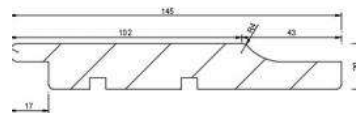
Enhanced performance dimensional stability achieved by using narrow widths, for example 70mm and 95mm.

Note: These sizes are subject to response to changes in moisture will be limited to 10-15% +/- matching, but may vary before installation on site. Cladding will be given sizes, but a margin of error when producing cladding repeat expansion and contraction in the timber.

RUSSWOOD SILVER CLADDING - SILA
Date 29/01/2018
RW006_SIL
RW006_SILA_

RW006 Siberian Larch

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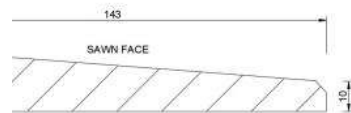
RW008 channelsiding (cover 128)

Note: These sizes are subject to response to changes in moisture will be limited to 10-15% +/- matching, but may vary before installation on site. Cladding will be given sizes, but a margin of error when producing cladding repeat expansion and contraction in the timber.

RUSSWOOD SILVER CLADDING - SILA
Date 29/01/2018
RW008
RW008_PROFILE

RW008 Siberian Larch

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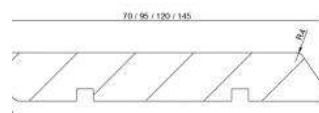
RW009 (cover 126)

RW009 Siberian Larch

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Note: These sizes are subject to response to changes in moisture will be limited to 10-15% +/- matching, but may vary before installation on site. Cladding will be given sizes, but a margin of error when producing cladding repeat expansion and contraction in the timber.

RUSSWOOD SILVER CLADDING - SILA
Date 04/06/2018
RW009
RW009_SILA_



RW014 Rainscreen Siberian Larch

Standard widths: 70mm / 95mm / 120mm / 145mm

55 degree angle top and bottom

Enhanced performance dimensional stability achieved by using narrow widths, for example 70mm and 95mm.

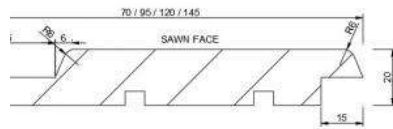
Note: These sizes are subject to response to changes in moisture will be limited to 10-15% +/- matching, but may vary before installation on site. Cladding will be given sizes, but a margin of error when producing cladding repeat expansion and contraction in the timber.

RUSSWOOD SILVER CLADDING - SILA
Date 29/01/2018
RW014_SILA
RW014_SILA_

RW014 Siberian Larch

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Enhanced performance dimensional stability achieved by using narrow widths, for example 95mm.

Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW060 Siberian Larch

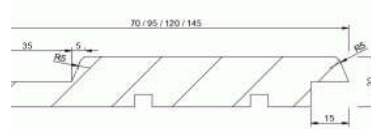
Standard widths: 70mm / 95mm / 120mm / 145mm



Date	29/01/2018
RW060_SIL	
RW060_SILA_PR	

RW060 Siberian Larch

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Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW061 Siberian Larch

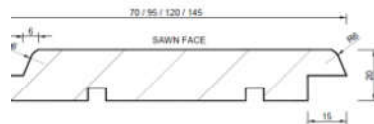
Standard widths: 70mm / 95mm / 120mm / 145mm



Date	12/12/2017
RW061_SIL	
RW061_SILA_PROFI	

RW061 Siberian Larch

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Enhanced performance dimensional stability achieved by using narrow widths, for example 12 and 95mm.

Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW063 Siberian Larch

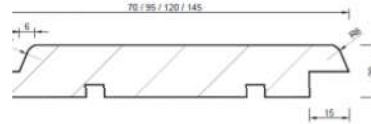
Standard widths: 70mm / 95mm / 120mm / 145mm



Date	05/09/2018
RW063_SIL	
RW063_SILA_PR	

RW063 Siberian Larch

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Enhanced performance dimensional stability achieved by using narrow widths, for example 12 and 95mm.

Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW064 Siberian Larch

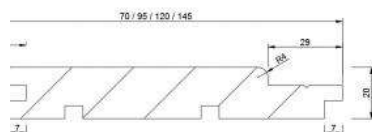
Standard widths: 70mm / 95mm / 120mm / 145mm



Date	05/09/2018
RW064_SIL	
RW064_SILA_PR	

RW064 Siberian Larch

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Enhanced performance dimensional stability achieved by using narrow widths, for example 12 and 95mm.

Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW115 Siberian Larch

Standard widths: 70mm / 95mm / 120mm / 145mm



Date	29/01/2018
RW115_SIL	
RW115_SILA_PR	

RW115 Siberian Larch

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Enhanced performance dimensional stability achieved by using narrow widths, for example 12 and 95mm.

Note: These sizes are subject to response to changes in moisture will be kiln dried to 16-18% moisture, but may vary before installation on site. Cladding will give some, but a margin of error when producing cladding layout its expansion and contraction in the fit.

RW134 Siberian Larch

Secret fixing

Standard widths: 70mm / 95mm / 120mm / 145mm

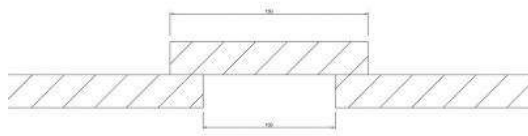


Date	29/01/2018
RW134_SIL	
RW134_SILA_PROFI	

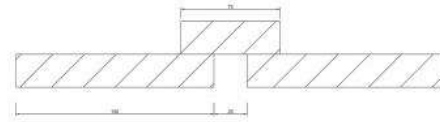
RW134 Siberian Larch

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Board on Board A



Board on Board B

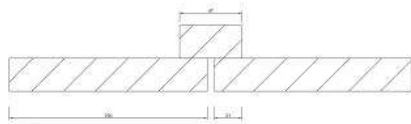


Board on Board A

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Board on Board B

⊕ Add to lightbox

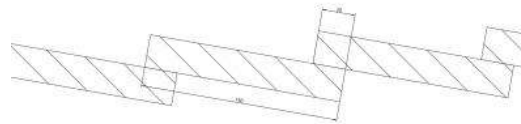


Board on Board C



Board on Board C

⊕ Add to lightbox



Board on Board Lapped



Board on Board Lapped

⊕ Add to lightbox

BTE
ARCHITECTURE

“ Russwood are flexible, knowledgeable and professional. The expert advice given throughout the project was key in the project's overall success ”

Sean Edwards, BTE Architects

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BLOG



Assisting Architects: Meet Our Architectural Liaison Team
Russwood's Architectural Liaison Team, based in our Glasgow office, opposite the city's famous Barrowland Ballroom, are focussed on assisting architects in the design of external timber cladding and decking.



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