



FRANKHAM

**BASEPOINT BUSINESS PARK, TILBURY
THURROCK COUNCIL**

**RIBA STAGE F1 SPECIFICATION
TIMBER WEATHERBOARDING**

Notice

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Document History

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H21 Timber weatherboarding

To be read with Preliminaries/ General conditions.

100 GENERALLY

External timber weatherboarding on this Project is to be of a rainscreen type, with air and water vapour being permitted access to all faces of the aesthetic timber cladding.

The standard of boards selected, their colour, their fixing and their protective coatings are all to be of the highest standard and have been specified as such below.

The overall appearance of the finished cladding shall be of a clear **knot free** vertically grained timber cladding of a very regular appearance (in both colour & texture) across all wall faces.

Every length of timber shall therefore be carefully selected before installation and carefully colour matched to adjacent boarding and to the facade as a whole to give a completely uniform colour across all of the cladding - without any board having visual prominence over another.

All flash gap joints shall be perfectly straight & true in line and all fixings in exactly the same generic location on each board to be fixed.

All Siberian Larch to be used shall be installed in full accordance with the manufacturer's recommendations for the highest quality of finish.

111 HORIZONTAL TIMBER RAINSCREEN WEATHERBOARDING

Manufacturer:
NORclad Ltd
21 C&D Somerset Square
Nailsea
Bristol
BS48 1RQ
Tel: 01275 794 735

Quality of timber:

Species: NORclad Siberian Larch

Standard: Special Grade A++ Hand selected & sorted grade, to be as clear as possible and provide a clean & consistent look, specified as follows:

Graded to BS1186-3 Part 4 Class 1 - centre free, one face (on view) completely sap free and resin pockets (rear face) restricted to a maximum of one per 2.5m length

Hand-selection of clearest grade boards with tight live knots (rear face only) with a maximum 12mm diameter and a maximum of two knots (rear face only) per metre length

Kiln-dried to moisture content of 14-20%

Profile: Bevelled top and bottom when fixed horizontally.

Finished size: Taken from sawn board size of 25mm x 200mm, then planed on all sides to achieve the finished size shown on the Architect's Drawings.

Moisture content at time of fixing: Not more than 16-18% (+/- 2%)

Preservative treatment: NORclad recommended fully translucent UV- radiation protective coating applied to all faces

Fire Treatment: NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0 standard

Method of fixing to each support: Grade 304 stainless steel "split less" nails with thin shanks and blunt points. Nails to have casing lost heads and either ring or spiral shanks for greater holding power. Nails shall finish at least 32 mm into supporting battens beneath.

Other requirements:

- Special lengths & vertical arrangements (as shown on the Architect's Drawings) are required in all locations - to run in continuous lengths between 13 mm wide vertical open flash gap joints - with 13mm wide horizontal open flash gap joints between each horizontal board. Lesser lengths than those shown will not be acceptable.
- Horizontal boards are to be fixed back to vertical support timbers behind at centres shown on the Architect's Drawings (generally at circa 600mm).
- Timber weatherboarding is to finish at cill level with a continuous 300mm deep x 10mm thick black rubber closer fixed back to faces of support timbers behind with black coloured screw fixings.

120 CONTROL SAMPLE

General: Complete an area of cladding of at least 2 metres x 2 metres in an approved location and obtain approval of appearance before proceeding.

130 BREATHER MEMBRANE - ACROSS ENTIRE EXTERNAL FACE OF INSULATION BEHIND SIBERIAN LARCH TIMBER WEATHERBOARDING

Manufacturer:

The A Proctor Group Ltd
Blairgowrie
Perthshire
PH10 7ER
Tel: 01250 872261

Material: A Proctor 'Fireshield' Breather Membrane

Fire Resistance: To offer a **certified** Euroclass Standard of B-s1,d0 resistance to fire.

Installation Requirements:

- Fix carefully & neatly to provide a complete barrier to wind-blown external water, snow and wind-blown dust.
- Fix and seal against moisture ingress, including appropriate use of A Proctor Fire Resistant Double Sided Tape & form to drip to outside.
- Horizontal laps to be 100 mm, vertical laps 150 mm and staggered, to shed water away from substrate & structure and be sealed with two rows of A Proctor Double Sided Tape.
- Ensure that this breather membrane extends & seals to the vapour control layers and DPM at perimeters and extends & seals to the rims of any mechanical ventilation ducts penetrating from within the building.
- In all cases, install in strict accordance with the manufacturer's recommendations.

131 VAPOUR MEMBRANE & AIR LEAKAGE MEMBRANE - ACROSS ENTIRE EXTERNAL FACES OF EXTERNAL WALLS SIBERIAN LARCH TIMBER WEATHERBOARDING

Manufacturer:

The A Proctor Group Ltd
Blairgowrie
Perthshire
PH10 7ER
Tel: 01250 872261

Material: A Proctor 'Procheck FR200' Vapour Control Layer Membrane

Fire Resistance: To offer a **certified** Euroclass Standard of B-s1,d0 resistance to fire.

Fixing:

- The 'Procheck FR200' Vapour Control Layer Membrane shall be installed in accordance with the recommendations of the manufacturer and BS5250: 2002 'Code of practice for control of condensation in buildings', to provide a complete barrier to air bourn vapour.

- The 'Procheck FR200' Vapour Control Layer Membrane shall be installed between the back face of the specified insulation and the outer face of the supporting concrete blockwork and high level plywood sheathing and to seal to all door & window & curtain walling openings, with special care taken to ensure that all seams & holes are sealed effectively - thus rendering the whole structure both moisture & vapour proof and improving thermal performance.
- It is critical that the 'Procheck FR200' Vapour Control Layer Membrane is continuous in order to prevent vapour & moisture entering the specified insulation and/or into the building.

Jointing Tapes:

- Ensure all surfaces are clean, smooth and dry prior to the application of 'Procheck FR200' Vapour Control Tape / Vapour Edge Tape. Surfaces do not require priming prior to tape application.
- For total protection, all joints in the 'Procheck FR200' Vapour Control Layer Membrane shall be lapped by a minimum of 75mm and sealed with 'Procheck FR200' Vapour Control Tape / Vapour Edge Tape applied equidistant over the lap. To aid formation, laps shall be made over the solid substrate.
- For protecting and sealing the perimeter, 'Procheck FR200' Vapour Control Tape / Vapour Edge Tape shall be used, applied equidistant over the junction with surrounding surfaces.
- Failure to suitably connect the vapour control layer to other building elements will seriously reduce performance, is not acceptable, and must be installed with all due care & attention.

132 INSULATION

Manufacturer:
Rockwool Ltd
Pencoed
Bridgend
CF35 6NY
Tel: 01656 862 621

Product reference: Rainscreen Duo Slab.

Material: Dual density Rockwool slab comprising a robust outer surface and a resilient inner face.

Thickness: 150mm

Installation: Friction fit between vertical timber uprights with all metal Rockwool recommended proprietary fixings to prevent boards leaning forwards – fixings to finish flush with outer face of insulation boards.

Fixings:

Manufacturer:
HSFS Group Fastening Technology Ltd
153 Kirkstall Road
Leeds
LS4 2AT
Tel: 0113 2085 500

Fixings Product reference: MIDS_S 1DR70

Anchor length: 250mm

Drill bit diameter: 8mm

Drill Hole depth 80-85mm

Min. embedment depth: 70mm

Material composition: Stainless Steel

Fixings Features:

- Ideal for soft insulation material: the 70 mm head prevents sinking into the surface – no additional plate required
- Faster to install thanks to less drilling
- With anchors suitable for up to 240mm insulation thickness, all application requirements are covered

Fixings Application: For fastening soft insulation material in light ventilated facade applications

Material composition: Stainless Steel

Environmental conditions: Outdoor

Type of fastening: Through-fastening

Colour: Self Colour

Samples of fixing: Required.

The product shall be installed fully in accordance with the manufacturer's recommendations.

Conformation of fixing suitability: To be confirmed by specialist sub-contractor and project Structural Engineer subject to analysis of existing substrate and pull out tests. Installation not to proceed without confirmation of and verification of the same.

Installation: Secured to the substrate with metal fixings in accordance with RAINSCREEN DUO SLAB® Data sheet.

Horizontal joints to be staggered and all joints tight butted. The Slabs should be fixed with the robust (patterned) surface facing outwards.

Fire Resistance: Rated A1 when tested to EN 13501-1 classification using test data from reaction to fire test.

Wind resistance:

- RAINSCREEN DUO SLAB® fixed has successfully undergone wind resistance testing by the Building Research Establishment.
- Windloading fatigue tests were used to simulate the performance of the slabs when fully exposed and subjected to fluctuating wind loads during the construction stages of buildings.
- The tests simulated and exceeded the maximum UK basic wind speed of 56 m/s as defined by BS CP3: Chapter 5: Part 2: 1972. Test report BRE GI2801.

Water resistance: ROCKWOOL stone wool repels liquid water due to its fibre orientation and the presence of water repellent additives.

Condensation control: Vapour resistivity = 5.9 MNs/gm. The slabs therefore reduce the risk of condensation, allowing natural drying out of the structure.

Rainscreen cladding – Timber rail systems:

- Rockwool Slabs to be applied with the patterned side facing outwards. The resilient inner layer will accommodate surface irregularities.
- Close butt the slabs at all vertical and horizontal joints.
- Stagger the horizontal joints of the insulation in accordance with good fixing practice.
- Fix using metal fixings.
- Fixings to have a minimum head diameter of 70 mm.
- Typical fixing pattern with 3 fixings per square metre.
- Rainscreen Duo Slab to be cut and tightly fitted.

Additional requirements:

Thermal conductivity: 0.035 W/mK

U-value overall target = 0.25 W/m²K

The product shall be installed by a specialist contractor approved for the project by Rockwool Ltd.

The product shall be installed fully in accordance with the manufacturer's recommendations.

The product shall be installed fully in accordance with BRITISH BOARD OF AGRÉMENT CERTIFICATE 17/5402 dated: 15th March 2017.

135 PRIMARY AND SECONDARY TIMBER SUPPORT BATTENS TO SIBERIAN LARCH
TIMBER RAINSCREEN CLADDING

Manufacturer:
NORclad Ltd
21 C&D Somerset Square
Nailsea
Bristol
BS48 1RQ
Tel: 01275 794 735

Description: Regularized softwood free from decay, insect attack (except pinholes borers) and with no knots wider than one quarter the width of the section.

Size & spacings: As shown on Architectural Drawings.

Preservative treatment: NORclad recommended vacuum impregnated preservative to provide maximum resistance to decay and infestation and be completely compatible with NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0, which is also to be applied

Fire Resistance Treatment: NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0 and be completely compatible with NORclad recommended UV and rot resistant preservative treatments

Moisture content at time of fixing: Not exceeding 20%.

Fixings: Screwed with corrosion resistant screws back to blockwork walls and high-level plywood sheathing at 400 mm centres.

Where support battens can be seen through flash gaps in timber weatherboarding, apply a decorative coat as Section M60/117 - to be seen as a black finish through the 13mm wide horizontal gaps between cladding boards.

Fixings: Screwed with corrosion resistant screws at 400 mm centres.

136 FIRE RESISTANT WBP PLYWOOD SHEATHING TO TIMBER RAINSCREEN CLADDING

As a sheathing membrane behind the timber weatherboarding to both the East & West elevations and at high level to both the North & South Elevations, a 15mm thick Fire Resistant WBP plywood is to be installed as shown on the Architects Drawings, and screw fixed back to supporting sub-structure behind at regular & appropriate centres.

Fire Resistance Treatment: As recommended by plywood manufacturer to offer a **certified** Euroclass Standard of B-s1,d0.

145 TREATED TIMBER BATTENS

Surfaces exposed by minor cutting and/ or drilling: Treat with two flood coats of a solution recommended for the purpose by main treatment solution manufacturer.

150 SURFACE TREATMENT

Finishing system: Before fixing boards, apply first coat of specified system to all surfaces.

Apply liberally to end grain.

160 FIXING BOARDING

General: Fix boards securely to give flat, true surfaces free from undulations, lipping, splits, hammer marks and protruding fasteners.

Movement: Allow for movement of boards and fixings to prevent cupping, springing, excessive opening of joints or other defects.

Heading joints: Position centrally over supports and at least two board widths apart on any one support.

Nail heads: Punch below surfaces that will be seen in the completed work.

170 PROTECTION & PREPARATION:

Keep wood dry on site.

Stack all larch cladding off ground and under cover with moisture barrier on ground beneath stored wood to prevent rising moisture reaching boarding.

Allow at least 14 days for larch cladding to equalise on site and stack in manner to allow through ventilation around all boards during this period.

491 CLOSED STATE VERTICAL 90/60 FIRE RESISTANT CAVITY BARRIERS

Location: As shown in latest current set of Architect's Drawings.

Drawing references: Refer to latest current set of Architect's Drawings.

Requirement: To resist the passage of flame and smoke for not less than 90mins integrity and 60mins. insulation.

Manufacturer:

Siderise Group

Forge Industrial Estate

Maesteg

CF34 0AY

T: 01656 730833

Email: facades@siderise.com

Contact: Chris Mort - Group Technical Officer

Mobile: 07778 691510

Tel: 01656 812170

Email: chris.mort@siderise.com

Product reference: SIDERISE RV Full Fill Vertical Cavity Barriers RV-90/60

Type: Closed State Vertical Cavity Barriers for rainscreen cladding applications consisting of a non-combustible stonewool lamella core, with reinforced aluminium foil faces, giving an overall reaction to fire performance to Euro Class 'A1'.

Location: To Timber Weatherboard Rainscreen Cladding

Fire classification rating: performance in product fire tests to EN1366-4:2006+A1: 2010

Reaction to fire: Euro Class 'A1'

Product fire classification:

Integrity(E): 90

Insulation(I): 60

Void range (mm): 26 – 450

Colour: No colour. Stonewool exposed to leading edge. Finish Aluminium foil to surfaces exposed to cavity.

Density Nominal: 75Kg/m³

Thermal conductivity: 0.041W/mK

Void sizes: Permissible for voids up to 450mm

Installation recommendations:

- SIDERISE RV vertical cavity barriers are to be installed within the cavity formed between the rainscreen façade and the inner structural wall, using the appropriate SIDERISE support brackets.
- RV cavity barrier is fitted vertically under nominal 10mm compression, completely filling the void. The product is installed with the plain mineral fibre edge positioned against the structural wall.
- To prevent fire flanking to the rear of the fire stop, any thermal insulation fitted to the outer face of the structural wall must be completely cut away to accommodate the thickness of vertical cavity barrier.
- Adjoining lengths of this product should be tightly abutted to prevent gaps. Joints should be sealed with SIDERISE foil tape RFT 120/45 to both sides.
- SIDERISE RH horizontal cavity barriers are to be installed so that they terminate each side of the RV vertical cavity barriers.

Support brackets:

- Fixing brackets - Stainless Steel brackets. The fixing brackets comprise a grade of stainless steel which is proven to provide a design life in excess of 60 years except for high SO2 exposure where we would reduce to 35 years.
- The brackets are to be supplied as standard in 1mm Stainless Steel in a flat form for site folding. They incorporate pre-notched indents to aid this process.
- The brackets are to be drilled on site and secured to the inner structural wall using non-combustible steel anchors or screws. These fixings are not supplied by SIDERISE.
- Brackets are to be installed at 600mm fixing centres (300mm from each end).

Brackets and centres:

- For installation of SIDERISE Product type: RV-90/60
- Bracket: B195
- Centres: 600mm
- Installed in accordance with manufacturers standard details

Additional requirements:

- The product shall be installed by a specialist contractor approved for the project by Siderise Group.
- Product to be installed as manufacturer's recommendations.

492 CLOSED STATE VERTICAL 120/120 FIRE RESISTANT COMPARTMENT BARRIERS

Location: As shown in latest current set of Architect's Drawings.

Drawing references: Refer to latest current set of Architect's Drawings.

Requirement: To resist the passage of flame and smoke for not less than 120 mins integrity and 120 mins. insulation.

Manufacturer:

Siderise Group

Forge Industrial Estate

Maesteg

CF34 0AY

T: 01656 730833

Email: facades@siderise.com

Contact: Chris Mort - Group Technical Officer

Mobile: 07778 691510

Tel: 01656 812170

Email: chris.mort@siderise.com

Product reference: SIDERISE RV Full Fill Vertical Cavity Barriers RV-120/120

Type: Closed State Vertical Cavity Barriers for rainscreen cladding applications consisting of a non-combustible stonewool lamella core, with reinforced aluminium foil faces, giving an overall reaction to fire performance to Euro Class 'A1'.

Location: To Timber Weatherboard Rainscreen Cladding

Fire classification rating: performance in product fire tests to EN1366-4:2006+A1: 2010

Reaction to fire: Euro Class 'A1'

Product fire classification:

Integrity(E): 120

Insulation(I): 120

Void range (mm): 26 – 450

Colour: No colour. Stonewool exposed to leading edge. Finish Aluminium foil to surfaces exposed to cavity.

Density Nominal: 75Kg/m³

Thermal conductivity: 0.041W/mK

Void sizes: Permissible for voids up to 450mm

Installation recommendations:

- SIDERISE RV vertical cavity barriers are to be installed within the cavity formed between the rainscreen façade and the inner structural wall, using the appropriate SIDERISE support brackets.
- RV cavity barrier is fitted vertically under nominal 10mm compression, completely filling the void. The product is installed with the plain mineral fibre edge positioned against the structural wall.
- To prevent fire flanking to the rear of the fire stop, any thermal insulation fitted to the outer face of the structural wall must be completely cut away to accommodate the thickness of vertical cavity barrier.
- Adjoining lengths of this product should be tightly abutted to prevent gaps. Joints should be sealed with SIDERISE foil tape RFT 120/45 to both sides.
- SIDERISE RH horizontal cavity barriers are installed so that they terminate each side of the RV vertical cavity barriers.

Support brackets:

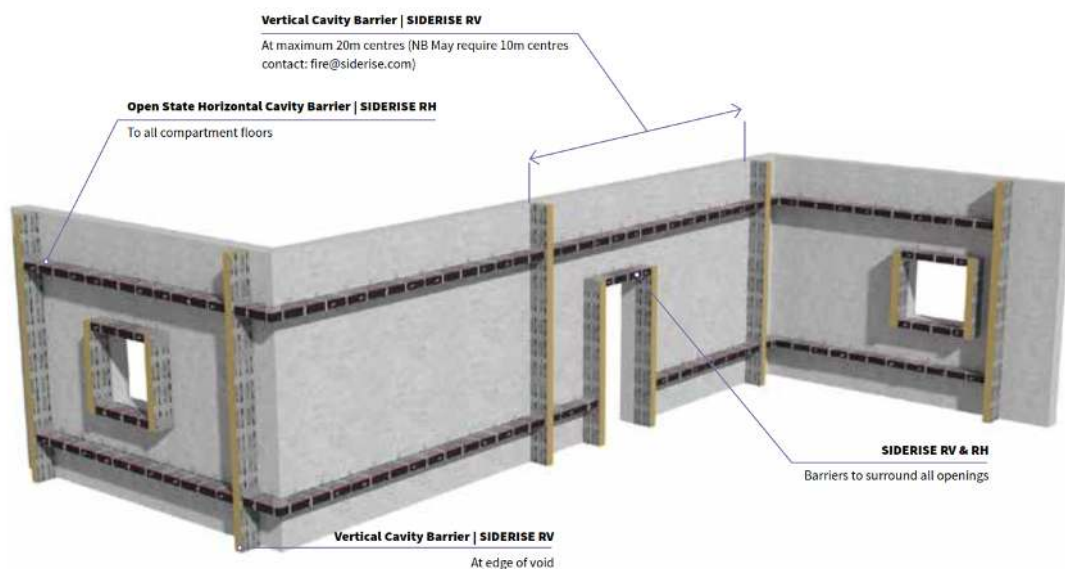
- Fixing brackets - Stainless Steel brackets. The fixing brackets comprise a grade of stainless steel which is proven to provide a design life in excess of 60 years except for high SO₂ exposure where we would reduce to 35 years.
- The brackets are to be supplied as standard in 1mm Stainless Steel in a flat form for site folding. They incorporate pre-notched indents to aid this process.
- The brackets are to be drilled on site and secured to the inner structural wall using non-combustible steel anchors or screws - not supplied by SIDERISE.
- Brackets are to be installed at 600mm fixing centres (300mm from each end).

Brackets and centres:

- For installation of SIDERISE Product type: RV-120/120
- Bracket: B195
- Centres: 600mm
- Installed in accordance with manufacturers standard details

Additional requirements:

- The product shall be installed by a specialist contractor approved for the project by Siderise Group.
- The product shall be installed fully in accordance with the manufacturer's recommendations.



493 OPEN STATE 60/60 HORIZONTAL FIRE RESISTANT CAVITY BARRIERS

Location: As shown in latest current set of Architect's Drawings.

Drawing references: Refer to latest current set of Architect's Drawings.

Requirement: To resist the passage of flame and smoke for not less than 60 mins Integrity and 60 mins. insulation.

Manufacturer:

Siderise Group

Forge Industrial Estate

Maesteg

CF34 0AY

T: 01656 730833

Email: facades@siderise.com

Contact:

Chris Mort - Group Technical Officer

Mobile: 07778 691510

Tel: 01656 812170

Email: chris.mort@siderise.com

Product reference: SIDERISE RH 'Open State' Horizontal Cavity Barriers RH50S-60/60 for air gaps up to 50mm

Type:

- Open State Horizontal Cavity Barriers for rainscreen cladding applications consisting of a non-combustible stonewool lamella core, with reinforced aluminium foil faces, giving an overall reaction to fire performance to Euro Class 'A1'.
- SIDERISE RH 'Open State' horizontal cavity barriers incorporate a continuous high performance reactive intumescent strip which is bonded to the leading edge.
- The intumescent material has a reaction to fire performance to Class 'E'.
- In the event of exposure to fire, the intumescent rapidly expands and fully seals the purposely designed ventilation gap, formed at the time of installation, between barrier and the rear of the cladding.

Location: To Timber Weather boarded Rainscreen Cladding on all elevations.

Fire classification rating: performance in product fire tests to EN1366-4:2006+A1: 2010.

Reaction to fire:

The primary stonewool seal is Euro Class 'A1'

The reactive intumescent along the leading edge is Euro Class 'E'

Product fire classification:

Integrity(E): 60

Insulation(I): 60

Void range (mm): 27 – 425mm

Air gap (mm): 50+ 3.0mm

Colour: No colour. Stonewool exposed to leading edge Finish Aluminium foil to surfaces exposed to cavity.

Density Nominal: 75Kg/m³

Thermal conductivity: 0.041W/mK

Void sizes: 0-400mm + air gap

RH50 permissible for voids up to 250mm + 50mm air gap = 300mm o/a void

Installation recommendations:

- SIDERISE RH Horizontal cavity barriers are installed within the cavity formed between the rainscreen façade and the inner structural wall, using the appropriate SIDERISE support brackets.
- SIDERISE RH 'Open State' horizontal cavity barriers are available with either galvanised mild steel (G) or stainless steel (S) fixing brackets as part of the system - **stainless steel required**.
- To prevent fire flanking to the rear of the fire stop, any thermal insulation fitted to the outer face of the structural wall must be completely cut away to accommodate the thickness of the horizontal cavity barrier.
- The RH50S horizontal cavity barrier is fitted with the plain mineral fibre edge against the structural wall.
- A maximum 50mm ±3mm clear air gap should be left between the front edge of the cavity barrier and the rear surface of the rainscreen facade.
- Adjoining lengths of this product should be tightly abutted to prevent gaps. Joints should be sealed with SIDERISE foil tape RFT 120/45 to both sides.
- SIDERISE RV vertical cavity barriers should be installed so that the RH Horizontal cavity barriers terminate and tightly abut the RV positions.

Support brackets:

- Fixing brackets - Stainless Steel brackets. The fixing brackets comprise a grade of stainless steel which is proven to provide a design life in excess of 60 years except for high SO₂ exposure where we would reduce to 35 years.
- The brackets are supplied as standard in 1mm Stainless Steel in a flat form for site folding. They incorporate pre-notched indents to aid this process.
- The brackets are to be drilled on site and secured to the inner structural wall using non-combustible steel anchors or screws. These fixings are not supplied by SIDERISE.
- Brackets are to be installed at 600mm fixing centres (300mm from each end).
- Lengths of the barrier are secured with these dedicated 'split' fixing brackets, which are impaled through the product at mid thickness.
- For cut lengths, a minimum of 2 brackets per length must be used. When using SIDERISE support brackets, pre-fitting the brackets to the product is recommended prior to fixing to the wall. For cut lengths <100mm one bracket/length.
- 'Screws' refers to the fixing and a washer with a 15mm (max.) head diameter. They should be non-combustible and suitable for substrate. These fixing is not supplied by SIDERISE.
- To facilitate bracket penetration, a small horizontal cut should be made in the face intumescent strip coinciding with the bracket's exit point. The protruding split ends should be trimmed to 10-20mm and counter-folded to retain the product.

Brackets and centres:

- For installation of SIDERISE horizontal cavity barriers Product type: RH50S-60/60:
- Bracket: RS 350
- Centres: 400mm
- Installed in accordance with manufacturers standard details

Additional requirements:

- The product shall be installed by a specialist contractor approved for the project by Siderise Group fully in accordance with the manufacturer's recommendations.

M60 Painting/clear finishing

To be read with Preliminaries/General conditions.

COATING SYSTEMS

117 DECORATIVE COATINGS TO TREATED BATTENS VISIBLE THROUGH FLASH GAP JOINTS WITHIN SIBERIAN LARCH RAINSCREEN CLADDING

Manufacturer: Hickson Timber Products Ltd (T: 01977 556565).

Product Reference: Decor Woodstain

Colour: Black (Ebon)

Surfaces: All visible surfaces of treated battens in finally installed location.

Preparation: To manufacturers recommendations.

Site coats: 3no. coats.

Special Requirements: To be compatible with NORclad recommended vacuum impregnated preservative providing maximum resistance to decay and infestation and NORclad factory applied Fire Treatment offering a certified Euroclass Standard of B-s1,d0, which are also to be applied

GENERALLY

215 HANDLING AND STORAGE

Coating materials: Deliver in sealed containers, labelled clearly with brand name, type of material and manufacturer's batch number.

Materials from more than one batch: Store separately. Allocate to distinct parts or areas of the work.

220 COMPATIBILITY

Coating materials selected by contractor:

Recommended by their manufacturers for the particular surface and conditions of exposure.

Compatible with each other.

Compatible with and not inhibiting performance of preservative/fire retardant pre-treatments.

280 PROTECTION

'Wet paint' signs and barriers: Provide where necessary to protect other operatives and general public, and to prevent damage to freshly applied coatings.

300 CONTROL SAMPLES

Prepare sample areas of all finished work, including preparation, in advance of the remainder.

Approval of appearance: Obtain before commencement of general coating work.

320 INSPECTION BY COATING MANUFACTURERS

General: Permit manufacturers to inspect work in progress and take samples of their materials from site if requested.

PREPARATION

400 PREPARATION GENERALLY

Standard: In accordance with BS 6150.

Suspected existing hazardous materials: Prepare risk assessments and method statements covering operations, disposal of waste, containment and reoccupation, and obtain approval before commencing work.

Preparation materials: Types recommended by their manufacturers and the coating manufacturer for the situation and surfaces being prepared.

Substrates: Sufficiently dry in depth to suit coating.

Dirt, grease and oil: Remove. Give notice if contamination of surfaces/ substrates has occurred.

Surface irregularities: Remove.

Joints, cracks, holes and other depressions: Fill flush with surface, to provide smooth finish.

Dust, particles and residues from preparation: Remove and dispose of safely.

Water based stoppers and fillers:

Apply before priming unless recommended otherwise by manufacturer.

If applied after priming: Patch prime.

Oil based stoppers and fillers: Apply after priming.

APPLICATION

711 COATING GENERALLY

Application standard: In accordance with BS 6150, clause 9.

Conditions: Maintain suitable temperature, humidity and air quality during application and drying.

Surfaces: Clean and dry at time of application.

Thinning and intermixing of coatings: Not permitted unless recommended by manufacturer.

Priming coats:

Thickness: To suit surface porosity.

Application: As soon as possible on same day as preparation is completed.

Finish:

Even, smooth and of uniform colour.

Free from brush marks, sags, runs and other defects.

Z12 Preservative/ fire retardant treatment

To be read with Preliminaries/ General conditions.

- 110 TREATMENT APPLICATION
Timing: After cutting and machining timber, and before assembling components.
Processor: Licensed by manufacturer of specified treatment solution.
Certification: For each batch of timber provide a certificate of assurance that treatment has been carried out as specified.
- 120 COMMODITY SPECIFICATIONS
Standard: Current edition of the Wood Protection Association (WPA) publication 'Industrial wood preservation specification and practice'.
- 130 PRESERVATIVE TREATMENT SOLUTION STRENGTHS/ TREATMENT CYCLES
General: Select to achieve maximum service life and to suit treatability of specified wood species.
- 150 PRESERVATIVE TREATMENT TO ALL SUPPORTING TIMBER BATTENS
Manufacturer:
NORclad Ltd
21 C&D Somerset Square
Nailsea
Bristol
BS48 1RQ
Tel: 01275 794 735

Preservative treatment: NORclad recommended vacuum impregnated preservative to provide maximum resistance to decay and infestation and be completely compatible with NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0, which is also to be applied
- 170 UV RESISTANCE TREATMENT FOR ALL EXTERNAL SIBERIAN LARCH RAINSCREEN CLADDING
Manufacturer:
NORclad Ltd
21 C&D Somerset Square
Nailsea
Bristol
BS48 1RQ
Tel: 01275 794 735

Preservative treatment: NORclad recommended fully translucent UV- radiation protective coating applied to all faces and be completely compatible with NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0, which is also to be applied
- 180 FIRE RESISTANCE TREATMENT FOR ALL EXTERNAL SIBERIAN LARCH RAINSCREEN CLADDING AND ALL SUPPORTING TIMBER BATTENS
Manufacturer:
NORclad Ltd
21 C&D Somerset Square
Nailsea
Bristol
BS48 1RQ
Tel: 01275 794 735

Fire Resistance Treatment: NORclad factory applied Fire Treatment to offer a **certified** Euroclass Standard of B-s1,d0 and be completely compatible with NORclad recommended UV and rot resistant preservative treatments

610

MAKING GOOD TO PRESERVATIVE TREATMENT ON SITE

Preservative solution: As recommended by NORclad Ltd

Application: In accordance with preservative manufacturer's recommendations and those of NORclad.