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GRADE & QUALITY DESCRIPTION

ThermoWood®

GRADING CRITERIA Thermally Modified Nordic Pine (*Pinus sylvestris*) Cladding.

General Notes

Graded to BS1186-3 Part 4 Class 2

Live knotted A/B grade European Redwood

Well manufactured live knotted wood fibre

Moisture content of 4-7% (50% RH) when packed at the production site. In outdoor use (20° Celsius, RH 85%) the equilibrium moisture content stabilizes at 10%.

PEFC Certified.

Wood Fibre

Produced from high quality Nordic Pine grown in Finland, one of the best areas in the world for tree growth. Sub-zero winters alternate with short warm summers which results in slow growth to provide the best possible straight-grained timber.

Knots

Permitted

Mostly sound tight (live / intergrown) knots typically between 10 and 30mm in diameter. Knots can be up to 35mm diameter on boards with a nominal thickness of up to 25mm and width of 115mm. This rises to 55mm on boards up to 25 x 225mm and 60mm for boards with a thickness of 50mm and width up to 150mm. Average of four knots per metre over total length of board (excluding pin knots).

Shakes

Permitted

Occasional shakes permitted up to 25% of the length of a piece.

Wane

Permitted

Occasional wane permitted up to 40% of the piece.

silvatimber.co.uk | enquiries@silvatimber.co.uk | 0151 495 3111 | 020 8150 8055



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Deformation (Warp)

Permitted

Boards with minor curvature and twisting, as far as proper installation is ensured.

Checks

Permitted

Occasional small surface checks permitted.

Splits

Permitted

Short splits permitted equal in length to the width of the board.

Splits may be present in small percentage of boards.

Torn or Raised Grain

Permitted

Light torn or raised grain permitted.

Machining / Handling Marks

Permitted

Minor marks / blemishes may be present.

Colour Variation

Permitted

The heat treatment process alters the colour of the wood to a warm brown colour consistent throughout the section of the piece. Colour can vary slightly between boards and within boards.

Notes

- Silva offers this information as a general guide to the main characteristics likely to be encountered in any shipment of ThermoWood material.
- Since no two pieces of timber are identical, complete uniformity throughout a shipment is impossible.
- Grading is not an exact science because it is based on a visual inspection of each piece and the grader's judgment.
- Most boards will be fully usable; however, the installer will be required to trim some boards to remove undesirable defects.
- Boards are graded on one face only. Boards are not reversible and, as such, some surface/roller marks may be expected on the rear of the boards.

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- Other minor wood characteristics not listed may occasionally be present but would not detract from the material's usability.
- On occasion, knot sizes and other characteristics may fall outside of the typical sizes quoted.

Reference Paragraph: Nordic Softwood Grading Rules Blue Book.

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