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Thermowood D Fact Sheet

The raw material (European Redwood/Whitewood (Scandinavian Pine/Spruce) is widely sourced in the north-west of Norway, spreading east through northern Europe. ThermoWood is produced by heat treating the timber to temperatures in excess of 200 degrees Centigrade. During heat treatment, chemical and structural changes occur within the timber which alter and improve its characteristics.

After going through the environmentally-friendly treatment process, ThermoWood is created. It will have darkened in colour from its pre treated state, it is now 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

Grades available:

Thermowood D (Durable)

Sustainability: PEFC Certified

Durability (BS EN 335): Class 2

Movement: Very Low Moisture Movement

Density: 350kg/m3 @ approx. 5% M/C

Typical Lengths: 2.4m – 5.7m (in 300mm increments)

Section sizes: Ex 25, 32mm x 50, 75, 100, 125, 150mm.

Stability: Very low shrinkage factor, low moisture content allows board stability.

Coating:

Receives coatings and stains well, very stable timber which helps the long term performance of the coating system

Natural Fire Rating: Class D-s2, d0. In accordance with the SBI (single burning item)

Fire Treatment: Can achieve EuroClass B with pressure impregnated fire treatment as an additional process if required.

Weathering:

Left uncoated, upon exposure to UV light the original colour begins to fade, and the wood becomes silver-grey. This weathered appearance is sometimes purposely sought by architects/ clients who want the softer, weathered tones of the board.

Fixing: Stainless Steel fixings are always recommended, can be brittle so pre-drilling advised.