2020
Specification Sheet ThermoWood Cladding & Decking
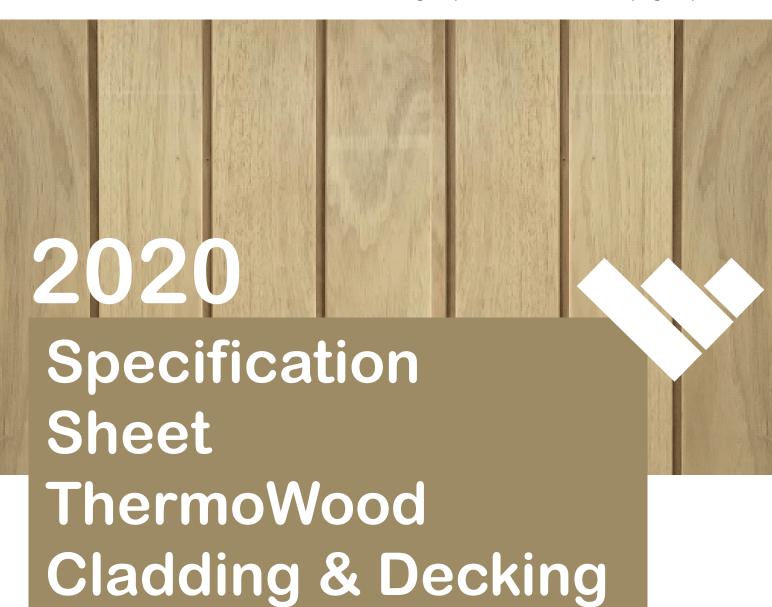
Timber cladding for Interior and exterior applications.

Produced exclusively by:
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Details:

Quality of Timber: EN BS 335-1
Breather Membrane attached to substrate: As RBS H21-130
Timber Species: Ash, Iroko, Tulip, Ayous, Pine.
Profile: As per profile sheet.
Timber Thickness: 20mm, 21mm, 25mm, 26mm or 42mm
Level of Finish: As approved sample

Durability: Class 1 Suitable for exterior use, in ground contact without protection – Class 4. TMT as per European Norms EN 350 and BS EN335-1 minimum 30yrs as per CEN/TS 15083-1:2005 technical norms in continuously wet conditions and ground contact.

Density: ThermoWood Ash is 595-620 Kg/m3 with a Moisture content of 4-7% in 20 degrees air temperature with a relative humidity of 65%. The weight density of Tulip is between 420 – 450 kg/m3 and Pine is 350 – 480 kg/m3 based on the same moisture content and air temperature.

Modulus Elasticity and strength: These are lower than regular wood due to the reduced moisture content and structural changes during the ThermoWood process.

Fixings: Use A2 Stainless Screws and Pins.

Sealer: (If required) Water based flexible UV sealer. Specifically made for ThermoChar®, AtelierClad®, and AtelierDeck® products.

Oil Finish: Messmers UV Plus (Natural). Pre-Oiling available.

Brinell Hardness: ThermoWood Ash products are 35 N/mm2, Pine is 15 N/mm2.

Emissions: Are not harmful in fresh air. Tests results of TVOC – Total Volatile Organic Compounds have shown that rates are much lower than regular wood.

Fire Resistance: According to EN 13501 (SB10-Test) the reaction class towards fire is rated at 'Class B'. ThermoWood, to reach BS 476 Class 0 and Class 1 can easily be achieved with our own special fire-retardant submersion treatment.

Insulation Properties: Insulation properties have been increased by 20% and are ideal for use internally and externally for cladding, decking, flooring, saunas, windows and doors.